

GenCore version 5.1.6
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OM nucleic - protein search, using frame_plus_n2p model

Run on: April 21, 2004, 16:13:29 ; Search time 15.5271 Seconds
(without alignments)
11191.613 Million cell updates/sec

Title: US-09-049-696-19
Perfect score: 3040
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Scoring table: BLOSUM62

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Ygapop 10.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 778828

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Command line parameters: -DEV=xlp

-MODEL=frame+ n2p.model -DB=Issued_Patents_AA -QFMT=fastan -SURFIX=n2p.ra -MINMATCH=0.1 -LOOPCL=0
-LIST=45 -DOCLIGN=200 -THR SCORE=pct -THR MAX=100 -THR MIN=0 -ALIGN=15
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-FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

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1	2521	82.9	914	4	US-09-623-624-6
2	2518	82.8	914	4	US-09-193-562D-28
3	1906	62.7	913	4	US-09-623-624-2
4	1477	48.6	917	4	US-09-049-698-41
5	1203	39.6	228	1	US-08-469-667-9
6	1203	39.6	228	4	US-09-224-110-9
7	1203	39.6	228	5	PCT-US95-07289-9
8	1198	39.4	903	4	US-09-193-562D-46
9	1147	37.7	903	4	US-09-623-624-18
10	1106	36.4	905	4	US-09-193-562D-2
11	1095	36.0	902	4	US-09-193-562D-34
12	1069	35.2	1000	4	US-09-193-562D-30

13	998.5	32.8	920	4	US-09-643-597-357	Sequence 357, App
14	998.5	32.8	942	4	US-09-919-172-87	Sequence 87, Appl
15	998.5	32.8	943	4	US-09-643-597-161	Sequence 161, Appl
16	998.5	32.8	943	4	US-09-480-884A-161	Sequence 161, App
17	998.5	32.8	943	4	US-09-542-615A-161	Sequence 161, App
18	998.5	32.8	943	4	US-09-606-421B-161	Sequence 161, App
19	998.5	32.8	943	4	US-09-623-624-4	Sequence 4, Appli
20	998.5	32.8	943	4	US-09-221-107-161	Sequence 161, App
21	987.5	32.5	943	4	US-09-193-562D-32	Sequence 32, Appl
22	903	29.7	795	4	US-09-193-562D-11	Sequence 11, Appl
23	903	29.7	821	4	US-09-193-562D-12	Sequence 12, Appl
24	785.5	25.8	791	4	US-09-643-597-170	Sequence 170, App
25	785.5	25.8	791	4	US-09-480-884A-170	Sequence 170, App
26	785.5	25.8	791	4	US-09-542-615A-170	Sequence 170, App
27	785.5	25.8	791	4	US-09-606-421B-170	Sequence 170, App
28	408	13.4	203	4	US-09-193-562D-3	Sequence 3, Appli
29	343.5	11.3	592	4	US-09-643-597-169	Sequence 169, App
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31	343.5	11.3	592	4	US-09-542-615A-169	Sequence 169, App
32	343.5	11.3	592	4	US-09-606-421B-169	Sequence 169, App
33	132	4.3	31	4	US-09-049-698-43	Sequence 43, Appl
34	127.5	4.2	40	4	US-09-049-698-45	Sequence 45, Appl
35	117.5	3.9	1848	3	US-08-296-791-6	Sequence 6, Appli
36	117.5	3.9	1848	4	US-09-839-996-6	Sequence 6, Appli
37	117.5	3.9	1848	4	US-10-080-503-6	Sequence 6, Appli
38	117.5	3.9	1848	5	PCT-US95-10661A-6	Sequence 25, Appl
39	115	3.8	1447	3	US-09-041-886-25	Sequence 2, Appli
40	115	3.8	1447	5	PCT-US94-05277-2	Sequence 16, Appl
41	111	3.7	637	1	US-08-235-838-16	Sequence 16, Appl
42	111	3.7	637	2	US-08-465-473B-16	Sequence 16, Appl
43	111	3.7	1395	3	US-09-540-245A-15	Sequence 15, Appl
44	109	3.6	1529	2	US-08-728-470-10	Sequence 10, Appl
45	109	3.6	1529	3	US-08-719-641-10	Sequence 10, Appl

ALIGNMENTS

RESULT 1
US-09-623-624-6
; Sequence 6, Application US/09623624
; Patent No. 6576434
; GENERAL INFORMATION:
; APPLICANT: Maganin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/09/623,624
; CURRENT FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,472
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,110
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,168
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/980,872
; PRIOR FILING DATE: 1997-12-01

; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 6
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-623-624-6

Alignment Scores:
Pred. No.: 1,678-239 Length: 914
Score: 2521.00 Matches: 488
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 82.93% Indels: 0
DB: 4 Gaps: 0

US-09-049-696-19 (1-1683) x US-09-623-624-6 (1-914)

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DB 427 GlnSerGlyAlaIleIleHisThrValAlaLeuGlyProSerAlaAlaGlnLeuLeu 446
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DB 447 GluLeuSerLysMetThrGlyGlyLeuGlnThrTyrAlaSerAspGlnValGlnAsn 466
QY 123 GGCCTCATGTATGCTTTGGGGCCCTTTCATCAGGAAATGGAGCTGTCTCTCAGCGCTCC 182
DB 467 GlyLeuIleAspAlaPheGlyAlaLeuSerSerGlyAsnGlyAlaValSerGlnArgSer 486
QY 183 ATCCAGCTTGACAGTAAGGATTAACCTCCACAGACAGCCAGTGGATGAATGGCACAGTG 242
DB 487 IleGlnLeuGluSerLysGlyLeuThrLeuGlnAsnSerGlnTrpMetAsnGlyThrVal 506
QY 243 ATCGTGGACAGCACCGTGGGAAAGACACTTTGTTTATCACCTGGGACAAACGCGCCT 302
DB 507 IleValAspSerThrValGlyLysAspThrLeuPheLeuIleThrTrpThrGlnPro 526
QY 303 CCCCAATCCTTCTCTGGGATCCAGTGGACAGAGCAAGTGGCTTTGTAGTGACAAA 362
DB 527 ProGlnIleLeuLeuTrpAspProSerGlyGlnLysGlnGlyPheValValAspLys 546
QY 363 AACACAAATGGCTTACCTCCAAATCCACAGCATTTGCTTAAAGTTGGCACTTGGAAATAC 422
DB 547 AsnThrLysMetAlaTyrLeuGlnIleProGlyIleAlaLysValGlyThrTrpLysTyr 566
QY 423 AGTCTGCAAGCAAGCTCACAACCTTGACCTGCTCAGCTCCCGTCCGTCCTCAATGCT 482
DB 567 SerLeuGlnAlaSerSerGlnThrLeuThrValThrSerArgAlaSerAsnAla 586
QY 483 ACCCTGCTCCAAATACAGTGACTTCCAAAACGACAGGACACCCAGCAAAATCCCGACG 542
DB 587 ThrLeuProProIleThrValThrSerLysThrAsnLysAspThrSerLysPheProSer 606
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QY 603 ACAGCCCTGATTAATGATAGTGAATGAAAGAGTACCTTCGAACTACTGGAAATATGGA 662
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QY 663 GCAGGTGCTGACTACTAGGATGACGGTGTCTACTCAAGGTATTTCACTTATGAC 722
DB 647 AlaGlyAlaAspAlaThrLysAspAspGlyValTyrSerArgTyrPheThrThrTyrAsp 666
QY 723 ACCAATGGTAGATACAGTGTAAAGTGGGGCTCTGGGAGGAGTTAAACGACCCAGACGG 782
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QY 1083 AAGTATATCATTCGAATTAAGTACAAAGTATTTCTGATCTCAGACACAAGTTCAATGATCT 1142
DB 787 LysTyrIleIleArgIleSerThrSerIleLeuAspLeuArgAspLysPheAsnGluSer 806
QY 1143 CTTCAAGTGAATACTACTGCTCTCATCCAAAGGAGCAACTCTGAGGAAGTCTTTTGTG 1202
DB 807 LeuGlnValAsnThrThrAlaLeuIleProLysGluAlaAsnSerGluGluValPheLeu 826
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RESULT 2

US-09-193-562D-28
; Sequence 28, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; CURRENT FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 28
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-193-562D-28

Alignment Scores:
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Score: 2518.00 Matches: 487
Percent Similarity: 100.00% Conservative: 1
Best Local Similarity: 99.80% Mismatches: 0
Query Match: 82.83% Indels: 0
DB: 4 Gaps: 0

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Pred. No.: 6-65e-179 Length: 913
Score: 1906.00 Matches: 365
Percent Similarity: 87.30% Conservative: 61
Best Local Similarity: 74.80% Mismatches: 56
Query Match: 62.70% Indels: 6
DB: 4 Gaps: 3

US-09-049-696-19 (1-1683) x US-09-623-624-2 (1-913)

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Db 508 IleValAspSerSerValGlyLysAspThrLeuPheLeuIleThrTrpThrHisPro 527
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Db 528 ProThrIlePheIleThrAspProSerGlyValGlnAsnGlyPheIleLeuAspThr 547
QY 363 AACACAAATGGCTTACCTCCAAATCCAGGCAATTCGTAAGTTGGCACTTGGAAATAC 422
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QY 423 AGTCGCAAGAGCTCACAACCTTGACCTGACCTGACCTGACCTGACCTGCGTCCGTCATGCT 482
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Db 648 AlaGlyAlaAspAlaThrLysAsnAspGlyValThrSerArgPheThrAlaPheAsp 667
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Db 668 AlaAsnGlyArgTyrSerValLysIleTrpAlaLeuGlyGlyValThrSerAspArgGln 687
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QY 843 ATACAATGAATCCCAAGACCTGAAATTAAGATGATGTTCAACACACAGCAAGTG 902
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Db 766 GlnAsnLeuValAsnLeuThrTrpThrAlaProGlyAspAspTyrAspHisGlyArgAla 785
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Db 786 SerAsnTyrIleIleArgMetSerThrSerIleValAspLeuArgAspHisPheAsnThr 805
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QY 1200 TTGTTTAAACAGAAAACATTACTTTTGAATAATGCCACAGATCTTTTCATTGCTATTTCAG 1259
Db 826 GluPheGluLeuGlyGlyAsnThrPheGlyAsnGlyThrAspIlePheIleAlaIleGln 845
QY 1260 GCTGTTGATAGTTCGATCTGAAATCAGAAATATCCAAATTCACAGTATCTTTGTTT 1319
Db 846 AlaValAspLysSerAsnLeuLysSerGluIleSerAsnIleAlaArgValSerValPhe 865
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Db 866 IleProAlaGlnGluPro-----ProIleProGluAspSerThrProProCysPro 882
QY 1380 AATATTCAATCAACAGACACCATCTCTGGCATTTCATTTTAAATAATTTATGTGGAAGTGG 1439
Db 883 AspIleSerIleAsnSerThrIleProGlyIleHisValLeuLysIleMetTrpLysTrp 902
QY 1440 ATAGAGAACTGCAGCTGCTCAATA 1463
Db 903 LeuGlyGluMetGlnValThrLeu 910

RESULT 4
US-09-049-698-41
; Sequence 41, Application US/09049698
; Patent No. 6368792
; GENERAL INFORMATION:
; APPLICANT: BILLING-MEDEL, PATRICIA A.
; APPLICANT: COHEN, MAURICE
; APPLICANT: COLPITTS, TRACEY L.
; APPLICANT: FRIEDMAN, PAULA N.
; APPLICANT: HAYDEN, MARK
; APPLICANT: KLASS, MICHAEL R.
; APPLICANT: ROBERTS-RAPP, LISA
; APPLICANT: RUSSELL, JOHN C.
; APPLICANT: STROUPE, STEPHEN D.
; TITLE OF INVENTION: REAGENTS AND METHODS FOR THE
; TITLE OF INVENTION: USEFUL FOR DETECTING DISEASES OF THE GASTROINTESTINAL
; TITLE OF INVENTION: TRACT
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESS: Abbott Laboratories
; STREET: 100 Abbott Park Road
; CITY: Abbott Park
; STATE: IL
; COUNTRY: USA
; ZIP: 60064-3500
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/049,698
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/828,856

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; FILING DATE: 31-MAR-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Becker, Cheryl L.
; REGISTRATION NUMBER: 35,441
; REFERENCE/DOCKET NUMBER: 6068.US.P1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 847/935-1729
; TELEFAX: 847/938-2623
; TELEX:
; INFORMATION FOR SEQ ID NO: 41:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 917 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: No. 6368792e
US-09-049-698-41

Alignment Scores:
Pred. No.: 1,25e-136 Length: 917
Score: 1477.00 Matches: 293
Percent Similarity: 75.26% Conservative: 72
Best Local Similarity: 60.41% Mismatches: 112
Query Match: 48.59% Indels: 8
DB: 4 Gaps: 5

US-09-049-696-19 (1-1683) x US-09-049-698-41 (1-917)
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DB 428 GlnSerGlyAlaIleValHisPheIleAlaLeuGlyArgAlaAlaAspGluAlaValIle 447
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DB 448 GluMetSerLysIleThrGlySerHisPheTyrValSerAspGluAlaGlnAsnAsn 467
QY 123 GGCCTCATGTGCTTTGGGCGCTTTCATCAGGAAATGGAGCTGTCTCTCAGGCTCC 182
DB 468 GlyLeuIleAspAlaPheGlyAlaLeuThrSerGlyAsnThrAspLeuSerGlnLysSer 487
QY 183 ATCCAGCTTGACGTAAGGATTAACCTCCAGACAGCCAGTGGATGAATGGCAGTGG 242
DB 488 LeuGlnLeuGluSerLysGlyLeuThrLeuAsnSerAsnAlaTrpMetAsnAspThrVal 507
QY 243 ATCTGTGGACAGCCGCTGGGAAAGGACACTTGTGTTCTTATCACCCTGGGACAAACGCGCT 302
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QY 303 CCCCATAATCTCTCTGGATCCAGTGACAGAGCAAGGGTGTCTTGTAGTGACAAA 362
DB 528 ProSerIleSerLeuTrpAspProSerGlyThrIleMetGluAsnPheThrValAspAla 547
QY 363 AACACCAAAATGGCTTACCTCAATCCAGGATGCTTAAGTTGGGCACTTGGAAATAC 422
DB 548 ThrSerLysMetAlaTyrLeuSerIleProGlyThrAlaLysValGlyThrTrpAlaTyr 567
QY 423 AGCTGTGCAAGCAAGTCA-----CAAACCTTGACCTGACTGTGACGTCCTGGTGGTCC 476
DB 568 AsnLeuGlnAlaLysAlaAsnProGluThrLeuThrIleThrValThrSerArgAlaAla 587
QY 477 AATGTACCTCCCTCCCAATTACAGTACTTCCAAACGAACAGACAGACACCAAGCAATTC 536
DB 588 AsnSerValProProIleThrValAsnAlaLysMetAsnLysAspValAsnSerPhe 607
QY 537 CCCAGCCTCTGGTGTATGTAATATTCGCAAGGAGCCCTCCCAATTCCTCAGGGCC 596
DB 608 ProSerProMetIleValTyrAlaGluIleLeuGlnGlyTyrValProValLeuGlyAla 627
QY 597 AGTGTACAGCCCTCGATTCAATCAGTGAATGAAACACAGTTACCTTGGAACTACTGGAT 656
DB 628 AsnValThrAlaPheIleGluSerGlnAsnGlyHisThrGluValLeuGluLeuAsp 647
QY 657 AATGGAGCAGGTGCTGATCTACTAAGGATGACGGTGTCTACTCAAGGTATTTCAACACT 716

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; AenGlyAlaGlyAlaAspSerPheLysAsnAspGlyValTyrSerArgTyrPheThrAla 667
; 717 TATGACACCAATGGTAGATACAGTGTAAAGTGCAGGCTCTCGGAGAGTAAACGAGCC 776
; 668 TyrThrGluAsnGlyArgTyrSerLeuLysValArgAlaHisGlyGlyAlaAsnThrAla 687
; 777 AGACGAGAGTATACCCAGCAGAGTGGAGCACCTGTACATACCTGGCTGGATTGAGAAT 836
; 688 ArgLeuLysLeuArgProLeuAsnArgAlaAlaTyrIleProGlyTrpValValAsn 707
; 837 GATGAATACAAATCCACAGACCTGAAATTAATAAGGATGATGTTCAACACAAG 896
; 708 GlyGluIleGluAlaAsnProProArgProGluIleAsp---GluAspThrGlnThrThr 726
; 897 CAAAGTGTGTTTCAGCAGAACATCTCGGAGAGCTCATTTGTGGCTTCTGATGTCCCAAT 956
; 727 LeuGluAspPheSerArgThrAlaSerGlyGlyAlaPheValValSerGlnValProSer 746
; 957 GCTCCATACCTGATCTCTTCCACCTGCGCCAAATACACGACCTGAAGCGGAAATTCAC 1016
; 747 LeuProLeuProAspGlnTyrProProSerGlnIleThrAspLeuAspAlaThrValHis 766
; 1017 GGGGCGAGTCTCATTAATCTGACTTGGACAGCTCTCTGGGAGTATATACCATGGAACA 1076
; 767 GluAspLysIleIle---LeuThrTrpThrAlaProGlyAspAsnPheAspValGlyLys 785
; 1077 GCTCAACAGTATATCATTCGAATAAGTACAAGTATTCTTGTATCTCAGACAGCAAGTTCAAT 1136
; 786 ValGlnArgTyrIleIleArgIleSerAlaSerIleLeuAspLeuArgAspSerPheAsp 805
; 1137 GAATCTCTTCAAGTGAATACTACTGCTCTCATCTCCAAAGGAAGCCAACTCTGAGGAAGTC 1196
; 806 AspAlaLeuGlnValAsnThrThrAspLeuSerProLysGluAlaAsnSerLysGluSer 825
; 1197 TTTTGTGTTAAACACGAAACATTAATCTTTGAAATGGCAGACAGATCTTTTCATTGTATT 1256
; 826 PheAlaPheLysProGluAsnIleSerGluGluAsnAlaThrHisIlePheIleAlaIle 845
; 1257 CAGGCTGTTGATAAGTCTGATCTGAAATCAGAAATATCAACATTCACGAGTATCTTTG 1316
; 846 LysSerIleAspLysSerAsnLeuThrSerLysValSerAsnIleAlaGlnValThrLeu 865
; 1317 TTTTATCTCCACAGACTCCGCGCAGAGACACCTAGTCTGTGATGAAACGCTCTGCTCTGT 1376
; 866 PheIle---ProGlnAlaAsnProAspAlaAspProThrProThrProThrProThr 884
; 1377 CCTAATATTCATATCAACAGCACCATCTCTGGCATTCACATTTTAAATATATGTGGAAG 1436
; 885 ProAspLysSerHisAsnSer-----GlyValAsnIleSerThrLeuValLeuSer 901
; 1437 TCGATAGGAGAACTG 1451
; 902 ValIleGlySerVal 906

RESULT 5
US-08-469-667-9
; Sequence 9, Application US/08469667
; Patent No. 5733748
; GENERAL INFORMATION:
; APPLICANT: Yu, Guo-Liang
; APPLICANT: Rosen, Craig
; TITLE OF INVENTION: Colon Specific Genes and Proteins
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Carella, Byrne, Bain, Gilfillan, Cecchi,
; ADDRESSEE: Stewart & Olstein
; STREET: 6 Becker Farm Road
; CITY: Roseland
; STATE: NJ USA
; COUNTRY: USA
; ZIP: 07068-1739
; COMPUTER READABLE FORM:

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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
FILING DATE: 06-JUN-1995
APPLICATION NUMBER: US/08/469,667
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Ferraro, Gregory D.
REGISTRATION NUMBER: 36,134
REFERENCE/DOCKET NUMBER: 325800-435
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-994-1700
TELEFAX: 201-994-1744
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 228 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-469-667-9

Alignment Scores:
Pred. No.: 5,87e-110 Length: 228
Score: 1203.00 Matches: 228
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 39.57% Indels: 0
DB: 1 Gaps: 0

US-09-049-696-19 (1-1683) x US-08-469-667-9 (1-228)

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QY 693 GTCTACTCAAGTATTTCACACTTATGACAGATGGTAGATACAGTGTAAAGTGGG 752
DB 1 ValTyrSerArgTyrPheThrThrTyrAspThrAsnGlyArgTyrSerVallysValarg 20
QY 753 GCTCTGGGAGGAGTTAAACCCAGCAGAGAGTATACCCAGCAGAGTGGAGCAGCTG 812
DB 21 AlaLeuGlyGlyValAsnAlaAlaAlaAlaAlaAlaAlaAlaAlaAlaAlaAlaAla 40
QY 813 TACATACCTGGCTGGATTGAGATGATGAATACAAATGGAATCCACCAAGACCTGAAAT 872
DB 41 TyrIleProGlyTyrPheIleGluAsnAspGluIleGlnTyrAsnProProArgProGluIle 60
QY 873 AATAGGATGATCTTCAACAGCAAGTGTCTTTTCCAGCAGAGACATCTCCGGAGGCTCA 932
DB 61 AsnLysAspAspValGlnHisLysGlnValCysPheSerArgThrSerSerGlyGlySer 80
QY 933 TTTGTGGCTTCTGTATGCCAAATCTCCATACCTGATCTCTCCACCTGGCCAAATC 992
DB 81 PheValAlaSerAspValProAsnAlaProIleProAspLeuPheProProGlyGlnIle 100
QY 993 ACCGACCTCAAGCGGAAATTCACGGGGGAGCTCTCATTATCTGACTTGGACAGCTCCT 1052
DB 101 ThrAspLeuLysAlaGluIleHisGlyGlySerLeuIleAsnLeuThrTyrThrAlaPro 120
QY 1053 GGGGATGATTATGACATGGAACAGCTCAAGTATATCATTCGAATAGTACAGTATT 1112
DB 121 GlyAspAspTyrAspHisGlyThrAlaHisLysTyrIleIleArgIleSerThrSerIle 140
QY 1113 CTTGATCTCAGAGACAGTTCATGAATCTCTTCAAGTGAATACTACTCTCTCATCCCA 1172
DB 141 LeuAspLeuArgAspLysPheAsnGluSerLeuGlnValAsnThrThrAlaLeuIlePro 160
QY 1173 AAGGAAGCCAACTCTGAGGAAGTCTTTTGTGTTAAACCAAGAAACATTACTTTTGAAT 1232
DB 161 LysGluAlaAsnSerGluGluValPheLeuPheLysProGluAsnIleThrPheGluAsn 180
QY 1233 GGCACAGATCTTTTCAATGCTTATTCAGGCTGTGATAGGCTGATCTGAAATCAGAAATA 1292
DB 181 GlyThrAspLeuPheIleAlaIleGlnAlaValAspLysValAspLeuLysSerGluIle 200
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QY 1293 TCCACATTGCAGAGTATCTTTGTTTATTCCTCCACAGACTCCGCCAGAGACACTAGT 1352
DB 201 SerAsnIleAlaArgValSerLeuPheIleProGlnThrProGlnThrProSer 220
QY 1353 CTTGATGAAACGTCTGCTCTCTGT 1376
DB 221 ProAspGluThrSerAlaProCys 228
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RESULT 6

US-09-224-110-9
Sequence 9, Application US/09224110
Patent No. 6337195
GENERAL INFORMATION:
APPLICANT: Yu, Guo-Liang
APPLICANT: Rosen, Craig
TITLE OF INVENTION: Colon Specific Genes and Proteins
NUMBER OF SEQUENCES: 24
CORRESPONDENCE ADDRESS:
ADDRESSEE: Carella, Byrne, Bain, Gilfillan, Cecchi,
STREET: 6 Becker Farm Road
CITY: Roseland
STATE: NJ
COUNTRY: USA
ZIP: 07068-1739
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/224,110
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/469,667
FILING DATE: 06-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Ferraro, Gregory D.
REGISTRATION NUMBER: 36,134
REFERENCE/DOCKET NUMBER: 325800-435
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-994-1700
TELEFAX: 201-994-1744
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 228 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-224-110-9

Alignment Scores:
Pred. No.: 5,87e-110 Length: 228
Score: 1203.00 Matches: 228
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 39.57% Indels: 0
DB: 4 Gaps: 0

US-09-049-696-19 (1-1683) x US-09-224-110-9 (1-228)

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QY 693 GTCTACTCAAGTATTTCACACTTATGACAGATGGTAGATACAGTGTAAAGTGGG 752
DB 1 ValTyrSerArgTyrPheThrThrTyrAspThrAsnGlyArgTyrSerVallysValarg 20
QY 753 GCTCTGGGAGGAGTTAAACCCAGCAGAGAGTATACCCAGCAGAGTGGAGCAGCTG 812
DB 21 AlaLeuGlyGlyValAsnAlaAlaAlaAlaAlaAlaAlaAlaAlaAlaAlaAlaAla 40
QY 813 TACATACCTGGCTGGATTGAGATGATGAATACAAATGGAATCCACCAAGACCTGAAAT 872
DB 41 TyrIleProGlyTyrPheIleGluAsnAspGluIleGlnTyrAsnProProArgProGluIle 60
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QY 873 AATAAGGATGATGTTTCAACACAGCAAGTGTGTTTTCAGCAGAACATCTCTCGGAGGCTCA 932
DB 61 AsnLysAspValGlnHisLysGlnValCysPheSerArgThrSerGlyGlySer 80
QY 933 TTTGTGGCTTCGATGTCCTCAATGCTCCATACCTGATCTCTCCACCTGGCCAAATC 992
DB 81 PheValAlaSerAspValProAsnAlaProIleProAspLeuPheProGlyGlnIle 100
QY 993 ACCGACTCAAGCGGAAATTCACGGGGCAGTCTCATTAATCTGACTTTGGACAGCTCTCT 1052
DB 101 ThrAspLeuLysAlaGluIleHisGlySerLeuIleAsnLeuThrTrpThrAlaPro 120
QY 1053 GGGGATGATTATGACCATGGAACAGCTCAAGTATATCATTCGAATAAGTACAAGTATT 1112
DB 121 GlyAspAspTyrAspHisGlyThrAlaHisLysTyrIleIleArgIleSerThrSerIle 140
QY 1113 CTTGATCTCAGACAGCAAGTTCATGATCTCTCAAGTGAATGATCTCTCTCATCCCA 1172
DB 141 LeuAspLeuArgAspLysPheAsnGluSerLeuGlnValAsnThrThrAlaLeuIlePro 160
QY 1173 AAGGAAGCAACTCTCAGCAAGTCTTTTGTGTTTAAACCAAGAAATCTTTTGAATAAT 1232
DB 161 LysGluAlaAsnSerGluGluValPheLeuPheLysProGluAsnIleThrPheGluAsn 180
QY 1233 GGCACAGATCTTTTCAATGCTATTCAGGCTGTTGATTAAGTCTGATCTGAAATCAGAAATA 1292
DB 181 GlyThrAspLeuPheIleAlaIleGlnAlaValAspLysValAspLeuLysSerGluIle 200
QY 1293 TCCAACTTGCAGCAGTATCTTTGTTTATCTTCCACAGACTCCGCGCAGACACCTAGT 1352
DB 201 SerAsnIleAlaArgValSerLeuPheIleProProGlnThrProProGluThrProSer 220
QY 1353 CTGTATGAACGTCCTCTCTGT 1376
DB 221 ProAspGluThrSerAlaProCys 228
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RESULT 7

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PCT-US95-07289-9
; Sequence 9, Application PC/TUS9507289
; GENERAL INFORMATION:
; APPLICANT: Yu, Guo-Liang
; TITLE OF INVENTION: Colon Specific Genes and Proteins
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Carella, Byrne, Bain, Galfillan, Cecchi,
; STREET: 6 Becker Farm Road
; CITY: Roseland
; STATE: NJ
; COUNTRY: USA
; ZIP: 07068-1739
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/07289
; FILING DATE: 06-JUN-1995
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Ferraro, Gregory D.
; REGISTRATION NUMBER: 36,134
; REFERENCE/DOCKET NUMBER: 325800-265
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-994-1700
; TELEFAX: 201-994-1744
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 228 amino acids
; TYPE: amino acid
```

```
TOPOLOGY: linear
; MOLECULE TYPE: protein
PCT-US95-07289-9
Alignment Scores:
Pred. No.: 5,87e-110 Length: 228
Score: 1203.00 Matches: 228
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 39.57% Indels: 0
DB: 5 Gaps: 0
US-09-049-696-19 (1-1683) x PCT-US95-07289-9 (1-228)
QY 693 GTCTACTCAAGGTATTTTCAAACTTATGACACGAATGGTAGATACAGTGTAAAAGTCGG 752
DB 1 ValTyrSerArgTyrPheThrThrTyrAspThrAsnGlyArgTyrSerValLysValArg 20
QY 753 GCTCTGGGAGGAGTTAAACGACGACGAGCGAGAGTATACCCAGCAGAGTGGAGCACTG 812
DB 21 AlaLeuGlyGlyValAsnAlaAlaArgArgValIleProGlnGlnSerGlyAlaLeu 40
QY 813 TACATACCTGGCTGGATTGAGATGATGAATACATGAATCCACCAAGACCTGAAAT 872
DB 41 TyrIleProGlyTyrPheGluAsnAspGluIleGlnTrpAsnProProArgProGluIle 60
QY 873 AATAAGGATGATGTTTCAACACAGCAAGTGTGTTTTCAGCAGAACATCTCTCGGAGGCTCA 932
DB 61 AsnLysAspAspValGlnHisLysGlnValCysPheSerArgThrSerGlyGlySer 80
QY 933 TTTGTGGCTTCGATGTCCTCAATGCTCCATACCTGATCTCTCTCCACCTGGCCAAATC 992
DB 81 PheValAlaSerAspValProAsnAlaProIleProAspLeuPheProGlyGlnIle 100
QY 993 ACCGACTCAAGCGGAAATTCACGGGGCAGTCTCATTAATCTGACTTTGGACAGCTCTCT 1052
DB 101 ThrAspLeuLysAlaGluIleHisGlySerLeuIleAsnLeuThrTrpThrAlaPro 120
QY 1053 GGGGATGATTATGACCATGGAACAGCTCAAGTATATCATTCGAATAAGTACAAGTATT 1112
DB 121 GlyAspAspTyrAspHisGlyThrAlaHisLysTyrIleIleArgIleSerThrSerIle 140
QY 1113 CTTGATCTCAGACAGCAAGTTCATGATCTCTCAAGTGAATGATCTCTCTCATCCCA 1172
DB 141 LeuAspLeuArgAspLysPheAsnGluSerLeuGlnValAsnThrThrAlaLeuIlePro 160
QY 1173 AAGGAAGCAACTCTCAGCAAGTCTTTTGTGTTTAAACCAAGAAATCTTTTGAATAAT 1232
DB 161 LysGluAlaAsnSerGluGluValPheLeuPheLysProGluAsnIleThrPheGluAsn 180
QY 1233 GGCACAGATCTTTTCAATGCTATTCAGGCTGTTGATTAAGTCTGATCTGAAATCAGAAATA 1292
DB 181 GlyThrAspLeuPheIleAlaIleGlnAlaValAspLysValAspLeuLysSerGluIle 200
QY 1293 TCCAACTTGCAGCAGTATCTTTGTTTATCTTCCACAGACTCCGCGCAGACACCTAGT 1352
DB 201 SerAsnIleAlaArgValSerLeuPheIleProProGlnThrProProGluThrProSer 220
QY 1353 CTGTATGAACGTCCTCTCTGT 1376
DB 221 ProAspGluThrSerAlaProCys 228
RESULT 8
US-09-193-562D-46
; Sequence 46, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedict U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; CURRENT FILING DATE: 1998-11-17
```

;; PRIOR APPLICATION NUMBER: US/60/065,922
;; PRIOR FILING DATE: 1997-11-17
;; NUMBER OF SEQ ID NOS: 47
;; SEQ ID NO 46
;; LENGTH: 903
;; TYPE: PRT
;; ORGANISM: Unknown
;; FEATURE:
;; OTHER INFORMATION: Calcium sensitive chloride channel from bovine tracheal
;; OTHER INFORMATION: epithelium (Cunningham et al., 1995, J. Biol Chem., 270:31016-
;; OTHER INFORMATION: 31026)
US-09-193-562D-46

Alignment Scores:

Pred. No.: 3,84e-109 Length: 903
Score: 1198.00 Matches: 253
Percent Similarity: 70.07% Conservative: 70
Best Local Similarity: 54.88% Mismatches: 118
Query Match: 39.41% Indels: 20
DB: 4 Gaps: 9

US-09-049-696-19 (1-1693) x US-09-193-562D-46 (1-903)

QY 3 CAAGTGTGCGCATCATCCACAGTCGCTTTGGGCGCTCTCGAGCTCAAGAACTAGAG 62
DB 430 GlnSerGlyValIleIleHisThrValAlaLeuGlyProSerAlaAlaLysGluLeuGlu 449
QY 63 GAGCTGTCAAATAGCAGGAGGTGTACAGACATATGCTTCAGATCAAGTTGACAGCAAT 122
DB 450 ThrLeuSerAspMetThrGlyGlyHisArgPheTyrAlaAsnLysAspIle-----Asn 467
QY 123 GCGCTCATTTGCTTTGGGCGCTTTTCATCAGGAATGAGGCTGCTCTCAGCGCTCC 182
DB 468 GlyLeuThrAsnAlaPheSerArgIleSerSerArgSerGlySerIleThrGlnGlnThr 487
QY 183 ATCCAGCTTGAGTAAGGATTAACCTCCAGAACAGCAGCTGGATGATGATGACAGTG 242
DB 488 IleGlnLeuGluSerLysAlaLeuAlaIleThrGluLysLysTrpValAsnGlyThrVal 507
QY 243 ATCTGGAGACAGCGTGGAAAGACACTTGTTCATCAGCTGGACAGCGCT 302
DB 508 ProValAspSerThrIleGlyAsnAspThrPhePheValValThrTrpThrIleLysLys 527
QY 303 CCCAAATCTTCTCTGGGATCCAGTGACAG-----AAGCAAGGTGGCTTTGTAGTG 356
DB 528 ProGluIleLeuLeuGlnAspProLysGlyLysLysThrLysThrSerAspPheLysGlu 547
QY 357 GACAAA---AACACCAAAATGGCCCTACCTCCAAATCCAGGCAATGCTAAGGTTGGCACT 413
DB 548 AspLysLeuAsnIleHisSerAlaArgLeuArgIleProGlyIleAlaGluThrGlyThr 567
QY 414 TGAATATCAGTCTG-----CAAGCAAGCTCACAACTTGACCTGACTGTCCAG 464
DB 568 TrpThrThrSerLeuLeuAsnAsnHisAlaSerProGlnIleLeuThrValThrValThr 587
QY 465 TCCCGTGGCTCAAGTCTACCTGCTCCCAATACAGTACTTCCAAACAGCAAGAC 524
DB 588 ThrArgAlaArgSerProThrThrProProValThrAlaThrAlaHisMetAsnGlnAsn 607
QY 525 ACCAGCAAAATCCCGAGCGCTCTGGTAGTTTATGCAAAATATTCCGCAAGGAGCGCTCCCA 584
DB 608 ThrAlaHisTyrProSerProValIleValTyrAlaGlnValSerGlnGlyPheLeuPro 627
QY 585 ATTCTCAGGCGGAGTGTACAGCGCTGATGATGATGATGATGATGATGATGATGATGATG 644
DB 628 ValLeuGlyIleAsnValThrAlaIleIleGluThrGluAspGlyHisGlnValThrLeu 647
QY 645 GAACTACTGGAATAGCAGCGTGTGATGCTACTAAGGATGAGGCTGTCTACTCAAGG 704
DB 648 GluLeuTrpAspAsnGlyAlaGlyAlaAspAlaThrLysAspAspGlyValThrSerArg 667
QY 705 TATTTTCAACATTTATGACAGCAATGGTAGATACAGTGTAAAGTGGGCGCTCTGGGAGGA 764

DB 668 TyrPheThrThrTyrAspThrAsnGlyArgTyrSerValLysValHisAlaGluAlaArg 687
QY 765 GTTAAACGCGCAGCAGCAGAGTGTATACCCAGCAGAGTGGAGCAGCTGTACATACCTGCG 824
DB 688 AsnAsnThrAlaArgLeuSerLeuArgGlnProGlnAsnLysAlaLeuTyrIleProGly 707
QY 825 TGGATTGAGAATGATGAATACAATGGAATCCACCAAGACCTGAAATTAATTAAGGATGAT 884
DB 708 TyrIleGluAsnGlyLysIleIleLeuAsnProProArgProGluVal---LysAspAsp 726
QY 885 GTTCAACAACAGCAAGTG---TGTTTCAGCAGAACATCTCTGGGAGGCTCATTTGGTGGT 941
DB 727 LeuAlaLysAlaGluIleGluAspPheSerArgLeuThrSerGlyLysPheThrVal 746
QY 942 TCTGATGTCCTCAAAATGCTCCCATACCTGATCTCTCCACCTGGCGCAATACACGACCTG 1001
DB 747 SerGlyAlaProProGlyAsnHisProSerValLeuProProAsnLysIleThrAspLeu 766
QY 1002 AAGCGC-----GAAATTCACGCGGCGCAGTCTCATTAATCTGACTTGGACAGCTCT 1052
DB 767 GluAlaLysPheLysGluAspHis-----IleGlnLeuSerTrpThrAlaPro 782
QY 1053 GGGGATGATTTATGACCAAGTGAACAGCTCAAGATATATCATTCGAATAGTACAAGTATT 1112
DB 783 AlaAsnValLeuAspLysGlyLysAlaAsnSerTyrIleIleArgIleSerLysSerPhe 802
QY 1113 CTTCATCTCAGAGCAAGTTCGAATGAATCTCTCAAGTGAATACCTACTGCTCTCATCCCA 1172
DB 803 LeuAspLeuGlnLysAspPheAspAsnAlaThrLeuValAsnThrSerSerLeuLysPro 822
QY 1173 AAGGAAGCAACTCTGAGGAAGTCTTTTGTGTTAAACAGAAAAACATTACTTTTGAAT 1232
DB 823 LysGluAlaGlySerAspGluAsnPheGluPheLysProGluProPheArgIleGluAsn 842
QY 1233 GGCACAGATCTTTTCATTCAGCTGATTCAGCTGTTGATAGGTCGATCTGAAATCAGAAATA 1292
DB 843 GlyThrAsnPheTyrIleAlaValGlnAlaIleAsnGluAlaAsnLeuThrSerGluVal 862
QY 1293 TCCACATTCGACGAGTATCTTTGTTTATCTCCACAGACTCCCGCAGAGACACCTAGT 1352
DB 863 SerAsnIleAlaGlnAlaIleLysPheIlePro-----MetProGluAspSerVal 879
QY 1353 CCT 1355
DB 880 Pro 880
RESULT 9
US-09-623-624-18
; Sequence 18, Application US/09623624
; Patent No. 6576434
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/09/623,624
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,472
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,473

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; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,110
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,168
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/980,872
; PRIOR FILING DATE: 1997-12-01
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 18
; LENGTH: 903
; TYPE: PRT
; ORGANISM: Bos taurus
US-09-623-624-18

Alignment Scores:
Pred. No.: 4,07e-104 Length: 903
Score: 1147.00 Matches: 242
Percent Similarity: 68.76% Conservative: 75
Best Local Similarity: 52.49% Mismatches: 124
Query Match: 37.73% Indels: 20
DB: 4 Gaps: 9

US-09-049-696-19 (1-1683) x US-09-623-624-18 (1-903)
QY 3 CAAAGTGTGGCCATCATCCACAGTCGCTTTGGGGCCCTCTGCAGCTCAAGAAGCTAGAG 62
DB 430 GlnSerGlyValIleIleHisThrIleAlaLeuGlyProSerAlaAlaLysGluLeuGlu 449
QY 63 GAGCTGTCCAAATGACAGAGGTTTACAGACATATGCTTTCAGATCAAGTTTCAACAAT 122
DB 450 ThrLeuSerAspMetThrGlyGlyHisArgPheTyrAlaAsnLysAspIle-----Asn 467
QY 123 GGCCTCATGTAGCTTTTGGGGCCCTTTCATCAGGAATGGAGCTCTCTCAGCGCTCC 182
DB 468 GlyLeuThrAsnAlaPheSerArgIleSerSerArgSerGlySerIleThrGlnGlnThr 487
QY 183 ATCCAGCTTGAGAGTAAAGGATTAAACCTCCAGACAGCAGTGGATGAATGCACAGTG 242
DB 488 IleGlnLeuGluSerLysAlaLeuAlaIleThrGluLysLysIleValAsnGlyThrVal 507
QY 243 ATCTGTGACAGCAGCCGTGGGAAAGGACACTTTGTTTCTTATCACCTGGCAACAGCAGCT 302
DB 508 ProValAspSerThrIleGlyAsnAspThrPhePheValValThrTrpThrIleLysLys 527
QY 303 CCCCAATCTCTCTGTGGGATCCAGTGACAG-----AAGCAAGTGGCTTTGTAGTG 356
DB 528 ProGluIleLeuLeuGlnAspProLysGlyLysLysTyrLysThrSerAspPheLysGlu 547
QY 357 GACAAA---AACACCAAAATGGCTACCTCCAAATCCAGGCAATGCTAAGTTGGCACT 413
DB 548 AspLysLeuAsnIleHisSerAlaArgLeuArgIleProGlyIleAlaGluThrGlyThr 567
QY 414 TCGAATACAGCTGTG-----CAAGCAAGCTCAACAACTTGACCTGACTGTGACG 464
DB 568 TrpThrTyrSerLeuLeuAsnAsnHisAlaSerProGlnIleLeuThrValThrValThr 587
QY 465 TCCGTGCTCCAAATGCTACCTGCTCCAAATGACAGTGTCCAAACGAAACAGAGAC 524
DB 588 ThrArgAlaArgSerProThrThrProProValThrAlaThrAlaHisMetSerGlnAsn 607
QY 525 ACCGCAAAATCCCGAGCCCTCTGGTAGTTTATGCAATATTCGCAAGGACCTCCCA 584
DB 608 ThrAlaHisTyrProSerProValIleValThrAlaGlnValSerGlnGlyPheLeuPro 627
QY 585 ATTCTCAGGGCCAGTGTACAGCCCTGATTGAATCAGTGAATGGAATAACAGTTTACTTG 644
DB 628 ValLeuGlyIleAsnValThrAlaIleIleGluThrGluAspGlyHisGlnValThrLeu 647
QY 645 GAACCTACTGTAATGACAGAGTGTGTAGTGTACTAAGATGACGGTGTCTACTCAAGG 704
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DB 648 GluLeuTrpAspAsnGlyAlaGlyAlaAspThrValLysAsnAspGlyIleTyrSerArg 667
QY 705 TATTTCAACAATTATCACAGTAATGATAGTAAAGTGAAGTGGGCTCTGGGAGGA 764
DB 668 TyrPheThrAspTyrArgGlyAsnGlyArgTyrSerLeuLysValHisAlaGluAlaArg 687
QY 765 GTTAACGACGACGACGAGAGTATACCCAGCAGAGTGGAGCAGCTGTACATCTGCG 824
DB 688 AsnAsnThrAlaArgLeuSerLeuArgGlnProGlnAsnLysAlaLeuTyrIleProGly 707
QY 825 TGGATTGAGAATGATAAATCAATCGAATCCACCAAGACCTCGAGAGGCTCATTTGTGGCT 884
DB 708 TyrIleGluAsnGlyLysIleIleLeuAsnProProArgProGluVal---LysAspAsp 726
QY 885 GTTCAACACAAAGCAAGTG---TGTTTCAGCAGACAATCTCGGAGGCTCATTTGTGGCT 941
DB 727 LeuAlaLysAlaGluIleGluAspPheSerArgLeuThrSerGlyGlySerPheThrVal 746
QY 942 TCTGATGTCCAAATGCTCCCATACCTGATCTCTTCCACCTGGCCAAATCACCGACCTG 1001
DB 747 SerGlyAlaProProGlyAsnHisProSerValLeuProProAsnLysIleIleAspLeu 766
QY 1002 AAGGGG-----GAAATTCCAGGGGCGAGTCTCTAATAATCTGACTTGGACAGCTCCT 1052
DB 767 GluAlaLysPheLysGluAspHis-----IleGlnLeuSerTrpThrAlaPro 782
QY 1053 GGGGATGATTATGACCATCGAAGCAGCTCACAAGTATATCATTCGAATAAGTACAAGTATT 1112
DB 783 AlaAsnValLeuAspLysGlyLysAlaAsnSerTyrIleIleArgIleSerLysSerPhe 802
QY 1113 CTGTATCTCAGACAGCAAGTTCAATGAATCTCTTCAAGTAATACTACTGCTCTCATCCCA 1172
DB 803 LeuAspLeuGlnLysAspPheAspAsnAlaThrLeuValAsnThrSerSerLeuLysPro 822
QY 1173 AAGGAAGCAACTCTCAGGAGTCTTTTGTGTTTAAACCAAGAAACATTACTTTTGAAT 1232
DB 823 LysGluAlaGlySerAspGluAsnPheGluPheLysProGluProPheArgIleGluAsn 842
QY 1233 GCACAGATCTTTTATTCTTATTCAGGCTGTTGATAAGCTCATCTGAAATCAGAAATA 1292
DB 843 GlyThrAsnPheTyrIleAlaValGlnAlaIleAsnGluAlaAsnLeuThrSerGluVal 862
QY 1293 TCAACATTGACAGAGTATCTTTGTTTATTCCTCCACAGACTCCGCGACAGACCTAGT 1352
DB 863 SerAsnIleAlaGlnAlaIleLysPheIlePro-----MetProGluAspSerVal 879
QY 1353 CCT 1355
DB 880 Pro 880

RESULT 10
US-09-193-562D-2
; Sequence 2, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 2
; LENGTH: 905
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Lu-ECAM-1 precursor from bovine endothelial cells
US-09-193-562D-2
Alignment Scores:

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Pred. No.: 4,47e-100 Length: 905
Score: 1106.00 Matches: 229
Percent Similarity: 68.75% Conservative: 79
Best Local Similarity: 51.12% Mismatches: 130
Query Match: 36.38% Indels: 10
DB: 4 Gaps: 6

US-09-049-696-19 (1-1683) x US-09-193-562D-2 (1-905)

QY 3 CAAGTGTGCCATCATCATCAGTCGCTTTGGGGCCCTCTGCGAGCTCAAGAACTAGAG 62
Db 431 ArgSerGlyAlaIleIleHisThrIleAlaLeuGlyProSerAlaAlaLysGluLeuGlu 450
QY 63 GAGCTGTCCAAATGACACGAGGTTTACAGACATATGCTTCAGATCAAGCTTCAGAACAT 122
Db 451 ThrLysSerAsnMetThrGlyTyArgPhePheAlaAsnLysAspIle-----Thr 468
QY 123 GGCCTCATTTGATGCTTTTGGGGCCCTTTTCATCAGAAATGGAGCTGTCTCTCAGGGCTCC 182
Db 469 GlyLeuThrAsnAlaPheSerArgIleSerArgSerGlySerIleThrGlnGlnAla 488
QY 183 ATCCAGCTTGAGTAAGGATTAACCTCCAGACAGCCAGTCGATGATGATGATGATGATGATG 242
Db 489 IleGlnLeuGluSerLysAlaLeuLysIleThrGlyArgValAsnGlyThrVal 508
QY 243 ATCGTGGACAGCACCGTGGGAAAGGACACTTGTGTTTATCACCTGGGACAAACGAGCCT 302
Db 509 ProValAspSerThrValGlyAsnAspThrPhePheValValThrTrpThrIleGlnLys 528
QY 303 CCCCAATCTTCTCTGGGATCCAGTGACAG-----AAGCAAGGTGGCTTTGTAGTG 356
Db 529 ProGluIleValLeuGlnAspProLysGlyLysLysLysLysLysLysLysLysLysLys 548
QY 357 GACAAA---AACCACAAATGGCTTACCTCCAAATCCAGGCAATGCTTAAGTTGGCACT 413
Db 549 AspLysLeuAsnIleArgSerAlaArgLeuGlnIleProGlyIleAlaGluThrGlyThr 568
QY 414 TCGAATACAGTCTG-----CAAGCAAGCTCACAACTTCAGCCCTGACTGTCAGC 464
Db 569 TrpThrTySerLeuLeuAsnAsnHisAlaSerSerGlnMetLeuThrValThr 588
QY 465 TCCCGTGCCTCCAATGCTACCTGCTCCCAATATACAGTCACTTCCAAACAGCAAGAGC 524
Db 589 ThrArgAlaArgSerProThrIleProProValIleAlaThrAlaHisMetSerGlnHis 608
QY 525 ACAGCAAAATCCCGACCTCTGAGTTATGCAAAATATTCGCAAGAGCCTCCCA 584
Db 609 ThrAlaHisTyProSerProMetIleValTyAlaGlnValSerGlnGlyPheLeuPro 628
QY 585 ATTCTCAGGGCAGTCTCACAGCCCTGATGATGATGATGATGATGATGATGATGATGATGATG 644
Db 629 ValLeuGlyIleSerValIleAlaIleIleGluThrGluAspGlyHisGlnValThrLeu 648
QY 645 GAACTACTGTAATAGGACAGGTGCTGATGCTACTTAAGGATGAGGTGCTTACTCAAGG 704
Db 649 GluLeuTrpAspAsnGlyAlaGlyArgAspThrValLysAsnAspGlyIleTySerArg 668
QY 705 TATTTCACAACTTATGACAGAAATGGTAGATACAGTGTAAAGTGCGGGCTCTGGGAGA 764
Db 669 TyrPheThrAspTyTyArgLysGlyArgTySerLeuLysValHisAlaGlnAlaArg 688
QY 765 GTTAACGACGACGAGGAGTATACCCAGCAGAGTGGAGCACTGTACATACCTGGC 824
Db 689 AsnAsnThrAlaArgLeuAsnLeuArgGlnProGlnAsnLysValLeuTyThrValProGly 708
QY 825 TGGATTGAGATGATGAATACAAATGGAATCCCAAGACCTGAAATTAATTAAGGATGAT 884
Db 709 TyrValGluAsnGlyLysIleIleLeuAsnProProArgProGluValLysAspLeu 728
QY 885 GTTCAACACAGCAAGTGTGTTTCAGCAGAACATCTCGGAGGCTCATTTGCGCTTCT 944
Db 729 AlaLysAlaLysIleGluAspPheSerArgLeuThrSerGlyGlySerPheValSer 748

RESULT 11
US-09-193-562D-34
; Sequence 34, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedict D.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; CURRENT FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 34
; LENGTH: 902
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-193-562D-34

Alignment Scores:
Pred. No.: 5,41e-99 Length: 902
Score: 1095.00 Matches: 237
Percent Similarity: 66.28% Conservative: 85
Best Local Similarity: 48.77% Mismatches: 132
Query Match: 36.02% Indels: 32
DB: 4 Gaps: 11

US-09-049-696-19 (1-1683) x US-09-193-562D-34 (1-902)

QY 3 CAAGTGTGCCATCATCATCAGTCGCTTTGGGGCCCTCTGCGAGCTCAAGAACTAGAG 62
Db 430 ArgSerGlyAlaIleIleHisThrIleAlaLeuGlyProSerArgAlaArgGluLeuGlu 449
QY 63 GAGCTGTCCAAATGACACGAGGTTTACAGACATATGCTTCAGATCAAGTTCAGAACAT 122
Db 450 ThrLeuSerAspMetThrGlyLeuArgPheTyAlaAsnLysAspLeu-----Asn 467
QY 123 GGCCTCATTTGATGCTTTTGGGGCCCTTTTCATCAGAAATGGAGCTGTCTCTCAGGGCTCC 182
Db 468 SerLeuIleAspAlaPheSerArgIleSerThrSerGlySerValSerGlnGlnAla 487
QY 183 ATCCAGCTTGAGTAAGGATTAACCTCCAGACAGCCAGTCGATGATGATGATGATGATGATG 242
Db 488 LeuGlnLeuGluSerLysAlaPheAspValArgAlaGlyAlaTrpIleAsnGlyThrVal 507
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Db 711 ValProGlyTyrThrAlaAsnGlyAsnIleGlnMetAsnAlaProArgIysSerValGly 730
QY 876 AAGGATGATGTTCAACACAAAGCAAGTGTGTTTTCAGCAGAACATCTCCGGAGGCTCATTT 935
Db 731 ArgAsnGluGluGluArgIysTrp---GlyPheSerArgValSerSerGlyGlySerPhe 749
QY 936 GTGGCTTCTGATGCCAAATGCTCCCATACCTGATCTCTTCCCACTGGCCAAATCACC 995
Db 750 SerValLeuGlyValProAlaGlyProHisProAspValPheProProCysIysIleIle 769
QY 996 GACCTGAAGCGGAAATTCACGGGGCAGCTCATTAATCTGACTGTGACAGCTCCTGGG 1055
Db 770 AspLeuGluAla---ValIysValGluGluGluLeuThrLeuSerTrpThrAlaProGly 788
QY 1056 GATGATTATGACCATGGAACACCTCACAGTATATCATTCGAATAGTACAAAGTATTCTT 1115
Db 789 GluAspPheAspGlnGlyGlnAlaThrSerTyrGluIleArgMetSerIysSerLeuGln 808
QY 1116 GATCTCAGACAGCAAGTTCAATGAATCTTCAAGTGAATACCTACTCTCATCCCAAG 1175
Db 809 AsnIleGlnAspAspPheAsnAsnAlaIleLeuValAsnThrSerIysArgAsnProGln 828
QY 1176 GAAGCAACTCTGAGAACTCTTTTGTGTTTAAACAGAAACATTAATCTTTGAAATGCG 1235
Db 829 GlnAlaGlyIleArgGluIlePheThrPheSerProGlnIleSerThr-----AsnGly 846
QY 1236 ACAGAT-----CTTTTCATTGCTATTACG 1259
Db 847 ProGluHisGlnProAsnGlyGluThrHisGluSerHisArgIleTyrValAlaIleArg 866
QY 1260 GCTGTTGTAAGATCGATCTGAATCAGAAATATCAACATTCGACGAGTATCTTTGTTT 1319
Db 867 AlaMetAspArgAsnSerLeuGlnSerAlaValSerAsnIleAlaGlnAlaProLeuPhe 886
QY 1320 ATTCTCCACAGACTCCGCCAGACACACTAGTCTCTGAT 1358
Db 887 IleProAsnSerAspPro---ValProAlaArgAsp 898

RESULT 15

US-09-643-597-161
; Sequence 161, Application US/09643597
; Patent No. 6426072
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy
; APPLICANT: Fanger, Gary R.
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Henderson, Robert A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.455C11
; CURRENT APPLICATION NUMBER: US/09/643,597
; CURRENT FILING DATE: 2000-08-21
; NUMBER OF SEQ ID NOS: 369
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 161
; LENGTH: 943
; TIPS: PRT
; ORGANISM: Homo sapien
US-09-643-597-161

Alignment Scores:
Pred. No.: 1,79e-89 Length: 943
Score: 998.50 Matches: 212
Percent Similarity: 63.21% Conservative: 87
Best Local Similarity: 44.82% Mismatches: 143
Query Match: 32.85% Indels: 31

DB: 4 Gaps: 10
US-09-049-696-19 (1-1683) x US-09-643-597-161 (1-943)
QY 6 AGTGGTGCATCATCCACACAGTCCGCTTTGGGGCCCTCTGCAGCTCAAGAACTAGAGGAG 65
Db 436 SerGlySerThrIleHisSerIleAlaLeuGlySerSerAlaAlaProAsnLeuGluGlu 455
QY 66 CTGTCCAAATGACAGGAGGTTTACAGACATATGCTTCAGATCAAGTTCAGAACTAGAGG 125
Db 456 LeuSerArgLeuThrGlyGlyLeuIysPheValProAspIleSerAsnSerIleSer 475
QY 126 CTCATTGATGCTTTTGGGGCCCTTTTCATCAGAAATGAGCTGTCTCTCAGCGCTCCATC 185
Db 476 MetIleAspAlaPheSerArgIleSerSerGlyThrGlyAspIlePheGlnGlnHisIle 495
QY 186 CAGCTTGAGATAGGAGATTAACTCCAGAACACAGCAGTGGATGAATGGCAGCAGTATC 245
Db 496 GlnLeuGluSerThrGlyGluAsnValIysProHisHisGlnLeuIysAsnThrValThr 515
QY 246 GTGGACACACCGTGGGAAAGCAGACATTTTGTCTTCTTATCACCTGG---ACAACGCGAG 302
Db 516 ValAspAsnThrValGlyAsnAspThrMetPheLeuValThrTrpGlnAlaSerGlyPro 535
QY 303 CCCAAATCTCTCTGGGATCCAGTGGACAGAG---CAAGGTGGCTTTTGTAGT 356
Db 536 ProGluIleIleLeuPheAspProAspGlyArgIysTyrThrAsnAsnPheIleThr 555
QY 357 GACAAACACACAAATGCGCTACTCCAAATCCAGGATGCTTAAGGTGGCACTTGG 416
Db 556 AsnLeuThrPheArgThrAlaSerLeuTrpIleProGlyThrAlaIysProGlyHisTrp 575
QY 417 AAATACAGTCTG-----CAAGCAGCTCACAACCTTGACCTCAGCTCAGCTCC 467
Db 576 ThrTyrThrLeuAsnAsnThrHisHisSerLeuGlnAlaLeuIysValThrValThrSer 595
QY 468 CTGCTGCTCAATGTACCTGCTCCCAATTACAGTACTTCCAAACGAAACGAAAGACACCC 527
Db 596 ArgAlaSerAsnSerAlaValProAlaThrValGluAlaPheValGluArgAspSer 615
QY 528 AGCAAAATCCCGAGCCCTCTGGTAGTTTATGCAATATTCGCAAGAGGAGCTCCCAATT 587
Db 616 LeuHisPheProHisProValMetIleTyrAlaAsnValIysGlnGlyPheTyrProIle 635
QY 588 CTCAGGCGCAGTGTACAGCCCTGATTCAATCAGTGAATGGAACAACTGTTACCTTGAA 647
Db 636 LeuAsnAlaThrValThrAlaThrValGluProGluThrGlyAspProValThrLeuArg 655
QY 648 CTACTGGATAATGGACGAGGTGCTGATGCTACTAAGGATGACGGTGTCTACTCAAGGTAT 707
Db 656 LeuLeuAspAspGlyAlaGlyAlaAspValIleIysAsnAspGlyIleTyrSerArgTyr 675
QY 708 TTCACAACTTATGACACGAATGGTAGATACAGTGTAAAGTGGCGGGCTCTGGGAGGATT 767
Db 676 PhePheSerPheAlaAlaAsnGlyArgTyrSerLeuIysValHis-----Val 691
QY 768 AACCGACCGACGAGAGTATACCCCGACAG-----AGTGGACAGCTGTAC 815
Db 692 AsnHisSerProSerIleSerThrProAlaHisSerIleProGlySerHisAlaMetTyr 711
QY 816 ATACTGCTGGATTGAGAATGATGAAATACAAATGGAATCCCAAGACCTGAAATTAAT 875
Db 712 ValProGlyTyrThrAlaAsnGlyAsnIleGlnMetAsnAlaProArgIysSerValGly 731
QY 876 AAGGATGATGTTCAACACAAAGTGTGTTTTCAGCAGAAACATCTCCGGAGGCTCATTT 935
Db 732 ArgAsnGluGluGluArgIysTrp---GlyPheSerArgValSerSerGlyGlySerPhe 750
QY 936 GTGGCTTCTGATGTCCTCCAAATGCTCCCATACCTGATCTCTCCCACTGGCCAAATCACC 995
Db 751 SerValLeuGlyValProAlaGlyProHisProAspValPheProCysIysIleIle 770
QY 996 GACCTGAAGCGGAAATTCACGGGGCAGTCTCTAATTAATCTGACTTGGACAGCTCCTGGG 1055

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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: April 24, 2004, 04:05:52 ; Search time 1505.4 Seconds

(without alignments)
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Title: US-09-049-696-18

Perfect score! 2813

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Scoring table: IDENTITY NUC

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Searched: 2907579 seqs, 2254313464 residues

Total number of hits satisfying chosen parameters: 5815158

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

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- 2: /cgn2_6/ptodata/2/pubpna/PCT_NEW_PUB.seq:*
- 3: /cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq:*
- 4: /cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq:*
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- 6: /cgn2_6/ptodata/2/pubpna/PCTUS_PUBCOMB.seq:*
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- 19: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2812	100.0	2854	15	US-10-106-698-1971
2	2812	100.0	3111	9	US-09-823-356-25
3	2812	100.0	3111	9	US-09-981-353-191
4	2812	100.0	3111	15	US-10-235-994-25
5	2812	100.0	3267	9	US-09-764-868-22
6	2807.2	99.8	3007	15	US-10-055-412B-27
7	2807.2	99.8	3311	9	US-09-922-217-1056
8	2807.2	99.8	3311	9	US-09-833-263-1056
9	2807.2	99.8	3311	14	US-10-025-380-1056
10	2807.2	99.8	3311	15	US-10-393-590-11
11	2807.2	99.8	3311	15	US-10-393-590-12
12	2807.2	99.8	3311	15	US-10-393-590-46
13	2807.2	99.8	3311	15	US-10-393-590-47
14	2807.2	99.8	3311	15	US-10-393-567-11

15	2807.2	99.8	3311	15	US-10-393-567-12	Sequence 12, Appl
16	2807.2	99.8	3311	15	US-10-393-567-46	Sequence 46, Appl
17	2807.2	99.8	3311	15	US-10-393-567-47	Sequence 47, Appl
18	2807.2	99.8	3311	15	US-10-394-087-11	Sequence 11, Appl
19	2807.2	99.8	3311	15	US-10-394-087-12	Sequence 12, Appl
20	2807.2	99.8	3311	15	US-10-394-087-46	Sequence 46, Appl
21	2807.2	99.8	3311	15	US-10-394-087-47	Sequence 47, Appl
22	2797.8	99.5	2867	15	US-10-106-698-351	Sequence 351, Appl
23	2743	97.5	2745	15	US-10-270-595-5	Sequence 5, Appl
24	2622.6	93.2	3109	15	US-10-106-698-2111	Sequence 2111, Ap
25	2489.2	88.5	4569	10	US-09-867-034-3	Sequence 3, Appl
26	2489.2	88.5	4569	13	US-10-276-115-3	Sequence 3, Appl
27	1743	62.0	2931	15	US-10-270-595-1	Sequence 1, Appl
28	1512	53.8	1512	16	US-10-305-720-850	Sequence 850, Appl
29	1310.2	46.6	3169	9	US-09-981-353-53	Sequence 53, Appl
30	1310.2	46.6	3169	15	US-10-235-994-15	Sequence 15, Appl
31	1310.2	46.6	3204	15	US-10-345-680-31	Sequence 31, Appl
32	1310.2	46.6	3218	16	US-10-087-080-33	Sequence 33, Appl
33	1308.6	46.5	3043	14	US-10-025-167-16	Sequence 16, Appl
34	1308.6	46.5	3181	14	US-10-025-167-18	Sequence 18, Appl
35	1307.8	46.5	2754	15	US-10-345-680-33	Sequence 33, Appl
36	1304	46.4	3265	9	US-09-989-723-378	Sequence 378, Appl
37	1304	46.4	3265	9	US-09-989-723-378	Sequence 378, Appl
38	1304	46.4	3265	9	US-09-989-723-378	Sequence 378, Appl
39	1304	46.4	3265	9	US-09-989-723-378	Sequence 378, Appl
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41	1304	46.4	3265	9	US-09-989-723-378	Sequence 378, Appl
42	1304	46.4	3265	9	US-09-989-723-378	Sequence 378, Appl
43	1304	46.4	3265	9	US-09-989-723-378	Sequence 378, Appl
44	1304	46.4	3265	9	US-09-989-723-378	Sequence 378, Appl
45	1304	46.4	3265	9	US-09-989-723-378	Sequence 378, Appl

ALIGNMENTS

RESULT 1

US-10-106-698-1971
; Sequence 1971, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptides
; FILE REFERENCE: PA005P1
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: Patent in Ver. 3.0
; SEQ ID NO 1971
; LENGTH: 2854
; TYPE: DNA
; ORGANISM: Homo sapiens

US-10-106-698-1971

Query Match 100.0%; Score 2812; DB 15; Length 2854;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2812; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	GAAATCAGGAGATGTACAGCAATGGGGCCATTTAAGAGTTCTGTGTTTCATCTTGATT	60
DB	11	GAAATCAGGAGATGTACAGCAATGGGGCCATTTAAGAGTTCTGTGTTTCATCTTGATT	70
QY	61	CTTCACCTCTTAGAAGGGCCCTGAGCTAATCTCACTCAGCTGAACAACAATGGCTAT	120
DB	71	CTTCACCTCTTAGAAGGGCCCTGAGCTAATCTCACTCAGCTGAACAACAATGGCTAT	130
QY	121	GAGGCATTGTCGTTGCAATCGACCCCAATGTGCCAAGAGTGAACACTCATTCAACAA	180

QY 2341 TGGACAGCTCTGGGGATGATTATGACCATGGAAAGCTCACAAAGTATATCATTTGGAATA 2400
DB |||||
QY 2351 TGGACAGCTCTGGGGATGATTATGACCATGGAAAGCTCACAAAGTATATCATTTGGAATA 2410
DB |||||
QY 2401 AGTACAAGTATTTCTTGATCTCAGAGCAAGTTCAATGAATCTCTTCAAGTGAATCTACT 2460
DB |||||
QY 2411 AGTACAAGTATTTCTTGATCTCAGAGCAAGTTCAATGAATCTCTTCAAGTGAATCTACT 2470
DB |||||
QY 2461 GCTCTCATCCAAAGGAAGCCAACTCTGAGGAAGTCTTTTGTGTTTAAACGAGAAACATT 2520
DB |||||
QY 2471 GCTCTCATCCAAAGGAAGCCAACTCTGAGGAAGTCTTTTGTGTTTAAACGAGAAACATT 2530
DB |||||
QY 2521 ACTTTTGAANAATGGCACAGATCTTTTCATGTCATTTTCAGGCTGTTGATGAAGTGCATCTG 2580
DB |||||
QY 2531 ACTTTTGAANAATGGCACAGATCTTTTCATGTCATTTTCAGGCTGTTGATGAAGTGCATCTG 2590
DB |||||
QY 2581 AAATCAGAAATATCCAAACATGACAGATATCTTTGTTTATTCCTCCACAGACTCCGCCA 2640
DB |||||
QY 2591 AAATCAGAAATATCCAAACATGACAGATATCTTTGTTTATTCCTCCACAGACTCCGCCA 2650
DB |||||
QY 2641 GAGACACCTAGTCTGATGAAGCTGCTGCTCTTCTTAAATATTCATATCAACAGCAC 2700
DB |||||
QY 2651 GAGACACCTAGTCTGATGAAGCTGCTGCTCTTCTTAAATATTCATATCAACAGCAC 2710
DB |||||
QY 2701 ATTCTGGCATTCACATTTTAAATAATATGTTGAAGTGGATAGGAACTGACAGTGTCA 2760
DB |||||
QY 2711 ATTCTGGCATTCACATTTTAAATAATATGTTGAAGTGGATAGGAACTGACAGTGTCA 2770
DB |||||
QY 2761 ATAGCTAGGGCTGAATTTTGTGCAGATAAATAAATAATCAATTCATCTT 2812
DB |||||
QY 2771 ATAGCTAGGGCTGAATTTTGTGCAGATAAATAAATAATCAATTCATCTT 2822
DB |||||

RESULT 2

US-09-823-356-25

; Sequence 25, Application US/09823356

; Patent No. US20010025098A1

; GENERAL INFORMATION:

; APPLICANT: Tang, Y. Tom

; APPLICANT: Bandman, Olga

; APPLICANT: Lal, Preeti

; APPLICANT: Hillman, Jennifer L.

; APPLICANT: Yue, Henry

; APPLICANT: Corley, Neil C.

; APPLICANT: Guegler, Karl J.

; APPLICANT: Kaser, Matthew R.

; APPLICANT: Baughn, Mariah R.

; APPLICANT: Shah, Purvi

; TITLE OF INVENTION: HUMAN MEMBRANE SPANNING PROTEINS

; FILE REFERENCE: PP-0489-1 CON

; CURRENT APPLICATION NUMBER: US/09/823,356

; CURRENT FILING DATE: 2001-03-30

; PRIOR APPLICATION NUMBER: 09/039,307

; PRIOR FILING DATE: 1998 March 13

; NUMBER OF SEQ ID NOS: 34

; SOFTWARE: PERL Program

; SEQ ID NO 25

; LENGTH: 3111

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: misc feature

; OTHER INFORMATION: Incyte ID No. US20010025098A1 173775

US-09-823-356-25

Query Match 100.0%; Score 2812; DB 9; Length 3111;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2812; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GAAATCAGGAGATGTACAGCAATGGGGCCATTTAAGAGTCTGTGTCATCTTGATT 60
DB |||||
10 GAAATCAGGAGATGTACAGCAATGGGGCCATTTAAGAGTCTGTGTCATCTTGATT 69

QY 61 CTTCACTTCTAGAAAGGGGCCCTGAGTAAATTCATTCAGCTGAACAAATGGCTAT 120
DB |||||
QY 70 CTTCACTTCTAGAAAGGGGCCCTGAGTAAATTCATTCAGCTGAACAAATGGCTAT 129
DB |||||
QY 121 GAAGGCATTTGCTTGCATTCGACCCCAATGTCAGAGAGATGAACACCTCATTTCAACAA 180
DB |||||
QY 130 GAAGGCATTTGCTTGCATTCGACCCCAATGTCAGAGAGATGAACACCTCATTTCAACAA 189
DB |||||
QY 181 ATAAAGGACATGGTGACCCAGGCATCTCTGTATCTGTTTGAAGCTACAGGAAGCGATT 240
DB |||||
QY 190 ATAAAGGACATGGTGACCCAGGCATCTCTGTATCTGTTTGAAGCTACAGGAAGCGATT 249
DB |||||
QY 241 TATTTCAAAAATGTTGGCCATTTTGTATTCCTGAAAATGGAAGAGCTGATATG 300
DB |||||
QY 250 TATTTCAAAAATGTTGGCCATTTTGTATTCCTGAAAATGGAAGAGCTGATATG 309
DB |||||
QY 301 AGACCAAAATTTGAGACCTTACAAAATGCTGATGTTCTGTTGCTGAGTCTACTCTCCA 360
DB |||||
QY 310 AGACCAAAATTTGAGACCTTACAAAATGCTGATGTTCTGTTGCTGAGTCTACTCTCCA 369
DB |||||
QY 361 GGTAAATGATGAACCTTACACTGAGCAGATGGGCAACTGTGGAGAGAGGGTGAAGGATC 420
DB |||||
QY 370 GGTAAATGATGAACCTTACACTGAGCAGATGGGCAACTGTGGAGAGAGGGTGAAGGATC 429
DB |||||
QY 421 CACCTCACTCTGATTTTCAATGCAAGAAAAAGTTAGCTGAATATGGAACCAAGGTAG 480
DB |||||
QY 430 CACCTCACTCTGATTTTCAATGCAAGAAAAAGTTAGCTGAATATGGAACCAAGGTAG 489
DB |||||
QY 481 GCATTTGCTCAGTGGGCTCATCTACGATGGGAGTATTTGACGAGTACATATATGAT 540
DB |||||
QY 490 GCATTTGCTCAGTGGGCTCATCTACGATGGGAGTATTTGACGAGTACATATATGAT 549
DB |||||
QY 541 GAGAAATCTACTTATCCAAATGGAAGATACAAAGCAGTAAGATGTTTCAAGGTATTA 600
DB |||||
QY 550 GAGAAATCTACTTATCCAAATGGAAGATACAAAGCAGTAAGATGTTTCAAGGTATTA 609
DB |||||
QY 601 GGTACAAATGTAGTAAAGAAAGTGTGAGGAGGAGCTGTTTACACCAAAAGATGCAATTC 660
DB |||||
QY 610 GGTACAAATGTAGTAAAGAAAGTGTGAGGAGGAGCTGTTTACACCAAAAGATGCAATTC 669
DB |||||
QY 661 AATAAGTAAAGGAGCTCTATGAAAAAGATGAGTGTGTTTCTCAATCCGCCAGAG 720
DB |||||
QY 670 AATAAGTAAAGGAGCTCTATGAAAAAGATGAGTGTGTTTCTCAATCCGCCAGAG 729
DB |||||
QY 721 GAGAAAGCTTCTATATGTTTGCACAAATGTTGATTTCTATAGTTGAAATTTCTGTACAGAA 780
DB |||||
QY 730 GAGAAAGCTTCTATATGTTTGCACAAATGTTGATTTCTATAGTTGAAATTTCTGTACAGAA 789
DB |||||
QY 781 CAAAAACCAACAAAGAGCTCCAAACAAAGCAAAATCAAAAATGCAATCTCCGAAGCACA 840
DB |||||
QY 790 CAAAAACCAACAAAGAGCTCCAAACAAAGCAAAATCAAAAATGCAATCTCCGAAGCACA 849
DB |||||
QY 841 TGGGAAGTATCCGCTGATTCGAGAGCTTTAAGAAAACCACTCTCTATGACACAGACCA 900
DB |||||
QY 850 TGGGAAGTATCCGCTGATTCGAGAGCTTTAAGAAAACCACTCTCTATGACACAGACCA 909
DB |||||
QY 901 CCAAAATCCCACTCTCTCATTGCTGAGATTTGACAAAAGAAATTTGTGTTTAGTCTTGAC 960
DB |||||
QY 910 CCAAAATCCCACTCTCTCATTGCTGAGATTTGACAAAAGAAATTTGTGTTTAGTCTTGAC 969
DB |||||
QY 961 AAATCTGGAAGCATGGGCACTGGTAAACCCGCTCAATCGACTGAATCAAGCAGGCCAGCTT 1020
DB |||||
QY 970 AAATCTGGAAGCATGGGCACTGGTAAACCCGCTCAATCGACTGAATCAAGCAGGCCAGCTT 1029
DB |||||
QY 1021 TTTCTGCTGCACAGATTTGAGCTGGGGTCTCGGGTTGGGATGGTGACATTTGACAGTCT 1080
DB |||||
QY 1030 TTTCTGCTGCACAGATTTGAGCTGGGGTCTCGGGTTGGGATGGTGACATTTGACAGTCT 1089
DB |||||
QY 1081 GCCCATGTACAAAGTGAATCATACAGATAAAGTGGCAGTGACAGGACACACTCGCC 1140
DB |||||
QY 1090 GCCCATGTACAAAGTGAATCATACAGATAAAGTGGCAGTGACAGGACACACTCGCC 1149
DB |||||

1141 AAAAGATTACCTGACAGCTTCAGAGGAGCGTCCATCTGACGGGGCTTCGATCGGCA 1200
Db
1150 AAAAGATTACCTGACAGCTTCAGAGGAGCGTCCATCTGACGGGGCTTCGATCGGCA 1209
Qy
1201 TTTTACTGTGATTAGGAAGAAATATCCAACTGATGATCTGAAATTTGTGCTGTCGCGAT 1260
Db
1210 TTTTACTGTGATTAGGAAGAAATATCCAACTGATGATCTGAAATTTGTGCTGTCGCGAT 1269
Qy
1261 GGGGAAGCAACACTATATAGTGGGTCTTTACGAGGTCAAAACAAGTGGTCCCATCATC 1320
Db
1270 GGGGAAGCAACACTATATAGTGGGTCTTTACGAGGTCAAAACAAGTGGTCCCATCATC 1329
Qy
1321 CACACAGTCCGCTTTGGGGCCCTCTGACGCTCAAGAACTAGAGAGCTGTCCAAAATGACA 1380
Db
1330 CACACAGTCCGCTTTGGGGCCCTCTGACGCTCAAGAACTAGAGAGCTGTCCAAAATGACA 1389
Qy
1381 GGAGGTTTACAGACATATGCTTTCAGATCAAGTTTCAGAACAAATGGGCTCATGATGCTTTT 1440
Db
1390 GGAGGTTTACAGACATATGCTTTCAGATCAAGTTTCAGAACAAATGGGCTCATGATGCTTTT 1449
Qy
1441 GGGGCCCTTTCATCAGGAATGGAGCTGTCTCTCAGCGCTCCATCCAGCTTCAGAGTAAG 1500
Db
1450 GGGGCCCTTTCATCAGGAATGGAGCTGTCTCTCAGCGCTCCATCCAGCTTCAGAGTAAG 1509
Qy
1501 GGATTAACCTCCAGAACAGCCAGTGGATGAATGGACAGTGTATCGTGACAGCACCGTG 1560
Db
1510 GGATTAACCTCCAGAACAGCCAGTGGATGAATGGACAGTGTATCGTGACAGCACCGTG 1569
Qy
1561 GGAAGGACACTTTGTTTCTTATCACTGGGACAAAGCCAGCCCTCCCAATCCTTCTCTGG 1620
Db
1570 GGAAGGACACTTTGTTTCTTATCACTGGGACAAAGCCAGCCCTCCCAATCCTTCTCTGG 1629
Qy
1621 GATCCAGTGGACAGAACAGGTGGCTTTGTAGTGGACAAAACACCAAAATGGCCTAC 1680
Db
1630 GATCCAGTGGACAGAACAGGTGGCTTTGTAGTGGACAAAACACCAAAATGGCCTAC 1689
Qy
1681 CTCCTCAATCCAGGAGCTTAAAGTTGGCACTTGGAAATACAGTCTGCAACAAAGCTCA 1740
Db
1690 CTCCTCAATCCAGGAGCTTAAAGTTGGCACTTGGAAATACAGTCTGCAACAAAGCTCA 1749
Qy
1741 CAAACCTTGACCTGTCTACGCTCCGCTGGTCCAAATGCTACCTGCTCCAAATTACA 1800
Db
1750 CAAACCTTGACCTGTCTACGCTCCGCTGGTCCAAATGCTACCTGCTCCAAATTACA 1809
Qy
1801 GTGACTTCCAAACGAAACAGGACAGCAGCAAAATTTCCAGCCCTCTGCTAGTTATGCA 1860
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1810 GTGACTTCCAAACGAAACAGGACAGCAGCAAAATTTCCAGCCCTCTGCTAGTTATGCA 1869
Qy
1861 AATATTTCGCAAGGAGCTCCCAATTTCTCAGGCGCAGTGTACAGCCCTGATTCGAATCA 1920
Db
1870 AATATTTCGCAAGGAGCTCCCAATTTCTCAGGCGCAGTGTACAGCCCTGATTCGAATCA 1929
Qy
1921 GTGAATGGAAACAGTTACTTGGAACTACTGGATAATGGAGAGGTGCTGATGCTACT 1980
Db
1930 GTGAATGGAAACAGTTACTTGGAACTACTGGATAATGGAGAGGTGCTGATGCTACT 1989
Qy
1981 AAGGATGACGGTGTCTACTCAAGGATTTTCAACCTTATGACAGCAATGGTATGATACAGT 2040
Db
1990 AAGGATGACGGTGTCTACTCAAGGATTTTCAACCTTATGACAGCAATGGTATGATACAGT 2049
Qy
2041 GTAAAGTGGCGGCTCTGGAGGAGTTAACGAGCCAGCAGAGTGTATCCCGAGGAG 2100
Db
2050 GTAAAGTGGCGGCTCTGGAGGAGTTAACGAGCCAGCAGAGTGTATCCCGAGGAG 2109
Qy
2101 AGTGGAGCACTGTACATACCTGGCTGGATTGAGAAATGATGAATCAATGGAAATCCACCA 2160
Db
2110 AGTGGAGCACTGTACATACCTGGCTGGATTGAGAAATGATGAATCAATGGAAATCCACCA 2169
Qy
2161 AGACCTGAAATTAATGAAGATGATTTCAACAGCAAGCAAGTGTGTTTACGAGCAATCC 2220
Db
2170 AGACCTGAAATTAATGAAGATGATTTCAACAGCAAGCAAGTGTGTTTACGAGCAATCC 2229
Qy
2221 TCGGGAGGCTCATTTGTGGCTTCTGATGTCCCAATGTCCCATACCTGATCTCTTCCCA 2280

2230 TCGGAGGCTCATTTGTGGCTTCTGATGTCCAAATGCTCCCATACCTGATCTCTTCCCA 2289
Qy
2281 CCTGGCCAAATACCGACCTGAAGCGGAAATTCACGGGGCAGTCTCATTAATCTGACT 2340
Db
2290 CCTGGCCAAATACCGACCTGAAGCGGAAATTCACGGGGCAGTCTCATTAATCTGACT 2349
Qy
2341 TGGACAGCTCTCTGGGGATGATTATGACCATGGAACAGCTCAACAGTATATCATCTCGAATA 2400
Db
2350 TGGACAGCTCTCTGGGGATGATTATGACCATGGAACAGCTCAACAGTATATCATCTCGAATA 2409
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2401 AGTACAAGTATTTCTTGTATCTCAGAGCAAGTTCAATGAATCTCTTCAAGTGAATACTACT 2460
Db
2410 AGTACAAGTATTTCTTGTATCTCAGAGCAAGTTCAATGAATCTCTTCAAGTGAATACTACT 2469
Qy
2461 GCTCTCATCCAAAGGAAGCCAACTCTGAGGAAGTCTTTTGTGTTTAAACCGAAGAACATT 2520
Db
2470 GCTCTCATCCAAAGGAAGCCAACTCTGAGGAAGTCTTTTGTGTTTAAACCGAAGAACATT 2529
Qy
2521 ACTTTTGAATGGCACAGATCTTTTCAATGCTATTCAGGCTGTTGATAAGGTGATCTG 2580
Db
2530 ACTTTTGAATGGCACAGATCTTTTCAATGCTATTCAGGCTGTTGATAAGGTGATCTG 2589
Qy
2581 AAATCAGAAATATCCAACTTCAGAGTATCTTTTGTGTTTATTCCTCCACAGACTCCGCCA 2640
Db
2590 AAATCAGAAATATCCAACTTCAGAGTATCTTTTGTGTTTATTCCTCCACAGACTCCGCCA 2649
Qy
2641 GAGACACCTAGTCTCTGATGAAACGCTGCTCTGCTGCTTAATATTCATATCAACAGCACC 2700
Db
2650 GAGACACCTAGTCTCTGATGAAACGCTGCTGCTGCTTAATATTCATATCAACAGCACC 2709
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2701 ATTCCTGCAATTCACATTTTAAATATATGGAAGTGGATAGGAGAACTGCAGCTGTCA 2760
Db
2710 ATTCCTGCAATTCACATTTTAAATATATGGAAGTGGATAGGAGAACTGCAGCTGTCA 2769
Qy
2761 ATAGCTAGGCGTCAATTTTGTGTCAGATAAAATAAAATCAATCATCCCTT 2812
Db
2770 ATAGCTAGGCGTCAATTTTGTGTCAGATAAAATAAAATCAATCATCCCTT 2821

RESULT 3

US-09-981-353-191
; Sequence 191, Application US/09981353
; Patent No. US20020160382A1
; GENERAL INFORMATION:
; APPLICANT: Lasek, Amy W.
; APPLICANT: Jones, David A.
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0038 US
; CURRENT APPLICATION NUMBER: US/09/981,353
; CURRENT FILING DATE: 2001-10-11
; NUMBER OF SEQ ID NOS: 194
; SOFTWARE: PERL Program
; SEQ ID NO 191
; LENGTH: 3111
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20020160382A1 1737775CB1
US-09-981-353-191

Query Match

Best Local Similarity 100.0%; Score 2812; DB 9; Length 3111;
Matches 2812; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAAATCACAGGAGATGTACAGCAATGGCGCCATTAAAGAGTTCTGTGTTCACTCTTGATT 60
Db 10 GAAATCACAGGAGATGTACAGCAATGGCGCCATTAAAGAGTTCTGTGTTCACTCTTGATT 69
Qy 61 CTTCACTTCTAGAGGGCCCTCGAGTAATTCATCTATTCAGCTGAAACAAATGGCTAT 120
Db 70 CTTCACTTCTAGAGGGCCCTCGAGTAATTCATCTATTCAGCTGAAACAAATGGCTAT 129

Qy	121	GAAGGCATTTGTCGTTGCAATCGACCCCAATGTCGCCAGAAGATGAAACACTCATTTCAACAA	180
Db	130	GAAGGCATTGTCGTTGCAATCGACCCCAATGTCGCCAGAAGATGAAACACTCATTTCAACAA	189
Qy	181	ATAAGAGCATGGTGAAGCCAGGCATCTCTGATCTCTGTTTGAAGCTACAGAAAGCGATTT	240
Db	190	ATAAGAGCATGGTGAAGCCAGGCATCTCTGATCTCTGTTTGAAGCTACAGAAAGCGATTT	249
Qy	241	TATTTCAAAATGTTGCAATTTTGATTTCTTGAAACATGGAAGACAAAGGCTGACTATGTG	300
Db	250	TATTTCAAAATGTTGCAATTTTGATTTCTTGAAACATGGAAGACAAAGGCTGACTATGTG	309
Qy	301	AGACCAAACTTGAGACCTCAAAAAATGCTGATGTTCTGGTGTGCTGAGTCTACTCTCTCCA	360
Db	310	AGACCAAACTTGAGACCTCAAAAAATGCTGATGTTCTGGTGTGCTGAGTCTACTCTCTCCA	369
Qy	361	GGTAATGATGAACCCCTACACTGACGACATGGGCNACTGTGGAGGAAGGGTGAAGGATC	420
Db	370	GGTAATGATGAACCCCTACACTGACGACATGGGCNACTGTGGAGGAAGGGTGAAGGATC	429
Qy	421	CACCTCACTCTCTGATTTTCATTGACGAGAAAAAGTTAGTCTGAATATGACACCAAGGTPAGG	480
Db	430	CACCTCACTCTCTGATTTTCATTGACGAGAAAAAGTTAGTCTGAATATGACACCAAGGTPAGG	489
Qy	481	GCATTTGTCCATGATGGGCTCATCTACGATGGGAGTATTTGACGAGTACAATATGAT	540
Db	490	GCATTTGTCCATGATGGGCTCATCTACGATGGGAGTATTTGACGAGTACAATATGAT	549
Qy	541	GAGAAATTTACTTTATCCAAATGGAAGAAATACAGCAGTAAGATGTTTCAGCAGGTATTTACT	600
Db	550	GAGAAATTTACTTTATCCAAATGGAAGAAATACAGCAGTAAGATGTTTCAGCAGGTATTTACT	609
Qy	601	GGTCAAAATGTAGTAAAGAGTGTACGGGAGGCAGCTGTACACCAAAAGATGCACATTC	660
Db	610	GGTCAAAATGTAGTAAAGAGTGTACGGGAGGCAGCTGTACACCAAAAGATGCACATTC	669
Qy	661	AATAAAGTAAACAGGACTCTATGAAAAAGGATGTGAGTTGTTTCTCCAAATCCCGCCAGACG	720
Db	670	AATAAAGTAAACAGGACTCTATGAAAAAGGATGTGAGTTGTTTCTCCAAATCCCGCCAGACG	729
Qy	721	GAGAAGGCTTCTATAATGTTTGTGCAACATGTTGATTTCTATAGTTGAAATTTCTGTACAGAA	780
Db	730	GAGAAGGCTTCTATAATGTTTGTGCAACATGTTGATTTCTATAGTTGAAATTTCTGTACAGAA	789
Qy	781	CAAAACCAACAAGAAGTCCGAAACAGCAAAATCAAAAATGCAATCTCCGAGGACACA	840
Db	790	CAAAACCAACAAGAAGTCCGAAACAGCAAAATCAAAAATGCAATCTCCGAGGACACA	849
Qy	841	TGGGAAGTGATCCGTGATTTCTGAGGACTTTAAGAAAAACCACTCTATGACAAACACAGCCA	900
Db	850	TGGGAAGTGATCCGTGATTTCTGAGGACTTTAAGAAAAACCACTCTATGACAAACACAGCCA	909
Qy	901	CCAAATCCCACCTTCTCATTTGCTGAGATGGGACAAAGAAATTTGTTGTTTAGTCTTTGAC	960
Db	910	CCAAATCCCACCTTCTCATTTGCTGAGATGGGACAAAGAAATTTGTTGTTTAGTCTTTGAC	969
Qy	961	AAATCTGGAAGCATGGGCACTGGTAAACCGGCTCAATCGACTGAATCAAGCAGGCGCAGCTT	1020
Db	970	AAATCTGGAAGCATGGGCACTGGTAAACCGGCTCAATCGACTGAATCAAGCAGGCGCAGCTT	1029
Qy	1021	TTCTCTGCTGCAGACAGTTGAGCTGGGGTCTGGGTTGGGATGGTGAATTTGACAGTGCT	1080
Db	1030	TTCTCTGCTGCAGACAGTTGAGCTGGGGTCTGGGTTGGGATGGTGAATTTGACAGTGCT	1089
Qy	1081	GCCCATGTACAAAGTGAACCTATACAGATAAAACAGTGGCAGTGAACGGGACACACTCGCC	1140
Db	1090	GCCCATGTACAAAGTGAACCTATACAGATAAAACAGTGGCAGTGAACGGGACACACTCGCC	1149
Qy	1141	AAAAAGATTACTGACGAGCTTCAGGAGGACGTTCCATCTGACGCGGGCTTCGATCGGCA	1200
Db	1150	AAAAAGATTACTGACGAGCTTCAGGAGGACGTTCCATCTGACGCGGGCTTCGATCGGCA	1209

Qy	1201	TTTTACTGTGTATTAGGAAGAAATATCCAACTGATGGATCTGAAATTTGTGCTGCTGACGGAT	1261
Db	1210	TTTTACTGTGTATTAGGAAGAAATATCCAACTGATGGATCTGAAATTTGTGCTGCTGACGGAT	1269
Qy	1261	GGGGAGACAACACTATAAGTGGGTGCTTTAAAGAGCTCAAAACAAAGTGGTGCCATCATC	1320
Db	1270	GGGGAGACAACACTATAAGTGGGTGCTTTAAAGAGCTCAAAACAAAGTGGTGCCATCATC	1329
Qy	1321	CACACAGTCGCTTTTGGGGCCCTCTGACAGCTCAAGAACTAGAGGAGCTGTCCAAAATGACA	1380
Db	1330	CACACAGTCGCTTTTGGGGCCCTCTGACAGCTCAAGAACTAGAGGAGCTGTCCAAAATGACA	1389
Qy	1381	GGAGGTTTACAGACATATGCTTCAGATCAAGTTTCAGAACTAGTGGCTCATTTGATGCTTTT	1440
Db	1390	GGAGGTTTACAGACATATGCTTCAGATCAAGTTTCAGAACTAGTGGCTCATTTGATGCTTTT	1449
Qy	1441	GGGGCCCTTTTCATCAGGAATGGAGCTGCTCTCAGCGCTCCATCCAGCTTTGAGAGTAAAG	1500
Db	1450	GGGGCCCTTTTCATCAGGAATGGAGCTGCTCTCAGCGCTCCATCCAGCTTTGAGAGTAAAG	1509
Qy	1501	GGATTAAACCTTCAGAACACGCCAGTGGATGAATGGCAAGTGTGCTGGACAGCACCGTG	1560
Db	1510	GGATTAAACCTTCAGAACACGCCAGTGGATGAATGGCAAGTGTGCTGGACAGCACCGTG	1569
Qy	1561	GGAAAGACAATTTTGTGTTTATTATCACTTGACAAACGCCAGCTCCCAAAATCTTCTCTGG	1620
Db	1570	GGAAAGACAATTTTGTGTTTATTATCACTTGACAAACGCCAGCTCCCAAAATCTTCTCTGG	1629
Qy	1621	GATCCAGTCGACAGAGCAAGTGGCTTTGATGGACAAAACACCAAAATGGCCTAC	1680
Db	1630	GATCCAGTCGACAGAGCAAGTGGCTTTGATGGACAAAACACCAAAATGGCCTAC	1689
Qy	1681	CTCCAAATCCAGGCATTTGCTAAAGTTTGGCACTTTGGAATAACAGTCTGCAAGCAAGCTCA	1740
Db	1690	CTCCAAATCCAGGCATTTGCTAAAGTTTGGCACTTTGGAATAACAGTCTGCAAGCAAGCTCA	1749
Qy	1741	CAAACTTGCACCTGACTGTCAAGTCCGCTGCTCAAAATGCTACCTGCTCCAAATTACA	1800
Db	1750	CAAACTTGCACCTGACTGTCAAGTCCGCTGCTCAAAATGCTACCTGCTCCAAATTACA	1809
Qy	1801	GTGACTTCCAAAACGACAGGACACAGCAAAATTTCCAGAGCCTCTGGTAGTTTATGCA	1860
Db	1810	GTGACTTCCAAAACGACAGGACACAGCAAAATTTCCAGAGCCTCTGGTAGTTTATGCA	1869
Qy	1861	AATATTCCGCAAGAGCCTCCCAATTTCTCAGGGCCAGTGTCAAGCCCTGATTGAATCA	1920
Db	1870	AATATTCCGCAAGAGCCTCCCAATTTCTCAGGGCCAGTGTCAAGCCCTGATTGAATCA	1929
Qy	1921	GTGAATGGAAAAACAGTTTACCTTTGGAACTACTCGATAATGAGCAGGTGCTGATCTACT	1980
Db	1930	GTGAATGGAAAAACAGTTTACCTTTGGAACTACTCGATAATGAGCAGGTGCTGATCTACT	1989
Qy	1981	AAGGATGACCGTGTCTACTCAAGGATTTTCAAACTTATGACACGAATGCTAGATACAGT	2040
Db	1990	AAGGATGACCGTGTCTACTCAAGGATTTTCAAACTTATGACACGAATGCTAGATACAGT	2049
Qy	2041	GTTAAAGTCGGGCTCTGGAGAGAGTTTAAACGACAGCCAGAGAGTGATACCCACAGCAG	2100
Db	2050	GTTAAAGTCGGGCTCTGGAGAGAGTTTAAACGACAGCCAGAGAGTGATACCCACAGCAG	2109
Qy	2101	AGTGGACACTGTACATACCTCTGGATTGAGAAATGAGAAATACAATGGAAATCCACCA	2160
Db	2110	AGTGGACACTGTGTACATACCTCTGGATTGAGAAATGAGAAATACAATGGAAATCCACCA	2169
Qy	2161	AGACCTGAAATTAATAGGATGATGTTCAACACAGCAAGTGTGTTTCAGCAGAAATCC	2220
Db	2170	AGACCTGAAATTAATAGGATGATGTTTCAACACAGCAAGTGTGTTTCAGCAGAAATCC	2229
Qy	2221	TCGGGAGGCTCATTTGTGGCTTCTGATGTCCCAAAATGCTCCCACTACTGATCTCTCCCA	2280
Db	2230	TCGGGAGGCTCATTTGTGGCTTCTGATGTCCCAAAATGCTCCCACTACTGATCTCTCCCA	2289
Qy	2281	CCTGGCCAAATCACCGACCTGAAGGGGGAAATTTACA GGGGGGAGTGTCTCAATTAATCTGACT	2340

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Db      2290 CCTGGCCAAATCACCGACCTGAAGCGGAAATTCACGGGGAGTCTCATTAATCTGACT 2349
Qy      2341 TGGACAGCTCCCTGGGGATGATATGACCATGGAACAGCTCACAAGTATATCATTTGGAATA 2400
Db      2350 TGGACAGCTCCCTGGGGATGATATGACCATGGAACAGCTCACAAGTATATCATTTGGAATA 2409
Qy      2401 AGTACAAGTATTTCTTGATCTCAGACACAAGTTCAATGAATCTCTTCAAGTGAATACTACT 2460
Db      2410 AGTACAAGTATTTCTTGATCTCAGACACAAGTTCAATGAATCTCTTCAAGTGAATACTACT 2469
Qy      2461 GCTCTCATCCCAAGGAAGCCAACTCTGAGGAAGTCTTTTGTGTTTAAACCCAGAAACATTT 2520
Db      2470 GCTCTCATCCCAAGGAAGCCAACTCTGAGGAAGTCTTTTGTGTTTAAACCCAGAAACATTT 2529
Qy      2521 ACTTTTGAATAATGGACAGATCTTTTTCATGCTATTCAGGCTGTTGATAAGTCAATCTG 2580
Db      2530 ACTTTTGAATAATGGACAGATCTTTTTCATGCTATTCAGGCTGTTGATAAGTCAATCTG 2589
Qy      2581 AAATCAGAAATATCAAAATTCACAGATATCTTTTGTGTTTAAATCAATCAATCAATCCGCCA 2640
Db      2590 AAATCAGAAATATCAAAATTCACAGATATCTTTTGTGTTTAAATCAATCAATCAATCCGCCA 2649
Qy      2641 GAGACACCTAGTCTGATGAAACGTCCTGCTCTGCTCTGCTCTGCTCTGCTCTGCTCTGCTCTG 2700
Db      2650 GAGACACCTAGTCTGATGAAACGTCCTGCTCTGCTCTGCTCTGCTCTGCTCTGCTCTGCTCTG 2709
Qy      2701 ATTCCTGGCATTCACATTTTAAATATATGCGAAGTGTGGAAGTGTGGAAGTGTGGAAGTGTGGA 2760
Db      2710 ATTCCTGGCATTCACATTTTAAATATATGCGAAGTGTGGAAGTGTGGAAGTGTGGAAGTGTGGA 2769
Qy      2761 ATAGCCTAGGGCTGAATTTTGTGATGATAAATAAATAAATCAATCAATCCCTT 2812
Db      2770 ATAGCCTAGGGCTGAATTTTGTGATGATAAATAAATAAATCAATCAATCCCTT 2821
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RESULT 4

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US-10-235-994-25
; Sequence 25, Application US/10235994
; Publication No. US20030101002A1
; GENERAL INFORMATION:
; APPLICANT: Bartha, Gabor
; TITLE OF INVENTION: METHODS FOR ANALYZING GENE EXPRESSION PATTERNS
; FILE REFERENCE: ICYTP012
; CURRENT APPLICATION NUMBER: US/10/235,994
; CURRENT FILING DATE: 2002-09-04
; PRIOR FILING DATE: 2001-11-01
; PRIOR APPLICATION NUMBER: 60/245,081
; PRIOR FILING DATE: 2000-11-01
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 25
; LENGTH: 3111
; TYPE: DNA
; ORGANISM: Human
US-10-235-994-25
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Query Match      100.0%; Score 2812; DB 15; Length 3111;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2812; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 GAAATCAGAGGAGATGTACAGCAATGAGGCGCAATTAAGAGTCTGTGTTCAATCTTGATT 60
Db      10 GAAATCAGAGGAGATGTACAGCAATGAGGCGCAATTAAGAGTCTGTGTTCAATCTTGATT 69
Qy      61 CTTACCTCTTGAAGGGCCCTGAGTAATTCATCTCATTTCAGCTCAACCAATCGCTAT 120
Db      70 CTTACCTCTTGAAGGGCCCTGAGTAATTCATCTCATTTCAGCTCAACCAATCGCTAT 129
Qy      121 GAAGGCATTTGCTGTGCAATCGACCCCAATGTGCGCAGAGATGAACACATCTATTCAACAA 180
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Db      130 GAAGGCATTTGCTGTGCAATCGACCCCAATGTGCGCAGAGATGAACACATCTATTCAACAA 189
Qy      191 ATAAGGACATGTTGACCCAGGCATCTCTGTATCTGTTTGAAGCTTACAGGAAGGATTT 240
Db      190 ATAAGGACATGTTGACCCAGGCATCTCTGTATCTGTTTGAAGCTTACAGGAAGGATTT 249
Qy      241 TATTTCAAAAATGTTGCCATTTTCAATCTCTGAAAACATGGAAGACAAAGCTGACTATGTG 300
Db      250 TATTTCAAAAATGTTGCCATTTTCAATCTCTGAAAACATGGAAGACAAAGCTGACTATGTG 309
Qy      301 AGACCAAACTGTGAGACCTACAAAATGCTGATGTTCTGTTGTTGTTGTTGTTGTTGTTGTTGTTG 360
Db      310 AGACCAAACTGTGAGACCTACAAAATGCTGATGTTCTGTTGTTGTTGTTGTTGTTGTTGTTGTTG 369
Qy      361 GGTATGATGACACCTACACATGACAGATGGCACTCTGAGAGAGAGGTTGAAAGGATC 420
Db      370 GGTATGATGACACCTACACATGAGCAGATGGCACTCTGAGAGAGAGGTTGAAAGGATC 429
Qy      421 CACCTCACTCTCTGATTTTCAATTTGCAGGAAAAAAGTTAGCTGAAATATGGACCACAAGGTAGG 480
Db      430 CACCTCACTCTCTGATTTTCAATTTGCAGGAAAAAAGTTAGCTGAAATATGGACCACAAGGTAGG 489
Qy      481 GCATTTGTCATGATGAGTGGGCTCATCTACGATGGGAGTATTTGACGAGTACAAATATGAT 540
Db      490 GCATTTGTCATGATGAGTGGGCTCATCTACGATGGGAGTATTTGACGAGTACAAATATGAT 549
Qy      541 GAGAAATTTCTACTTATCCAATGGAGATATACAAGCAGTAAGATGTTTCAGCAGGTATTACT 600
Db      550 GAGAAATTTCTACTTATCCAATGGAGATATACAAGCAGTAAGATGTTTCAGCAGGTATTACT 609
Qy      601 GGTACAAATGTAGTAAAGAGTGTCAAGGAGGAGCTGTATACCAAAAAGATGCAATTC 660
Db      610 GGTACAAATGTAGTAAAGAGTGTCAAGGAGGAGCTGTATACCAAAAAGATGCAATTC 669
Qy      661 AATAAAGTAAACAGGACTCTATGAAAAAGGATGTGATGTTGTTGTTGTTGTTGTTGTTGTTGTTG 720
Db      670 AATAAAGTAAACAGGACTCTATGAAAAAGGATGTGATGTTGTTGTTGTTGTTGTTGTTGTTGTTG 729
Qy      721 GAGAGGCTTCTATANTGTTTGCACAAATGTTGATGTTGATGTTGATGTTGATGTTGATGTTGATG 780
Db      730 GAGAGGCTTCTATANTGTTTGCACAAATGTTGATGTTGATGTTGATGTTGATGTTGATGTTGATG 789
Qy      781 CAAAACCAACAAAGAGCTCCAAAACAAAGCAAAATCAAAAATGCAATCTCCGAAAGCACA 840
Db      790 CAAAACCAACAAAGAGCTCCAAAACAAAGCAAAATCAAAAATGCAATCTCCGAAAGCACA 849
Qy      841 TGGGAAGTGTATCCGTGATTTCTGAGGACTTTAAGAAAAACCACTCTATGACAAACAGGCA 900
Db      850 TGGGAAGTGTATCCGTGATTTCTGAGGACTTTAAGAAAAACCACTCTATGACAAACAGGCA 909
Qy      901 CCAATCCCACTTCTCATTTGCTGAGATTTGGAACAAAGATTTGTTGTTGTTGTTGTTGTTGTTG 960
Db      910 CCAATCCCACTTCTCATTTGCTGAGATTTGGAACAAAGATTTGTTGTTGTTGTTGTTGTTGTTG 969
Qy      961 AAATCTGGAAGCATGGGACCTGTTAAACCGCTCAATCGACTGAATCAAGCAGCGCAGCTT 1020
Db      970 AAATCTGGAAGCATGGGACCTGTTAAACCGCTCAATCGACTGAATCAAGCAGCGCAGCTT 1029
Qy      1021 TTCCTGCTGCAGACAGTTGAGCTGGGGTCTGGGTTGGGATGGTGAATTTGACAGTGTCT 1080
Db      1030 TTCCTGCTGCAGACAGTTGAGCTGGGGTCTGGGTTGGGATGGTGAATTTGACAGTGTCT 1089
Qy      1081 GCCCATGTACAAAGTGAATCATACAGATAACAGTGGCAGTGAAGGAGACACATCTCGCC 1140
Db      1090 GCCCATGTACAAAGTGAATCATACAGATAACAGTGGCAGTGAAGGAGACACATCTCGCC 1149
Qy      1141 AAAAGATTTACCTGACAGAGCTTTCAGGAGGAGCTCCATCTGACGCGGCTTCGATCGGCA 1200
Db      1150 AAAAGATTTACCTGACAGAGCTTTCAGGAGGAGCTCCATCTGACGCGGCTTCGATCGGCA 1209
Qy      1201 TTTTACTGTGATGAGGAAGAAATATCCAACTGATGATCTGAAATTTGTGCTGTGACGAT 1260
Db      1210 TTTTACTGTGATGAGGAAGAAATATCCAACTGATGATCTGAAATTTGTGCTGTGACGAT 1269
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1261 GGGGAAGACAAACACTATTAAGTGGTGGCTTTTAACGAGGTCAAAACAAAGTGGTGCATCATC 1320
1270 GGGGAAGACAAACACTATTAAGTGGTGGCTTTTAACGAGGTCAAAACAAAGTGGTGCATCATC 1329
1321 CACACAGTCGCTTTGGGGCCCTCTGAGCTCAAGAACTAGAGAGCTGTCCAAAATGACA 1380
1330 CACACAGTCGCTTTGGGGCCCTCTGAGCTCAAGAACTAGAGAGCTGTCCAAAATGACA 1389
1381 GGAGGTTTACAGACATATGCTTCAGATCAAGTTTCAAGAACTAGAGAGCTGTCCAAAATGACA 1440
1390 GGAGGTTTACAGACATATGCTTCAGATCAAGTTTCAAGAACTAGAGAGCTGTCCAAAATGACA 1449
1441 GGGGCCCTTTCAACAGAAATGAGAGCTGTCTCAGCGTCCATCAGCTTGAAGTAAG 1500
1450 GGGGCCCTTTCAACAGAAATGAGAGCTGTCTCAGCGTCCATCAGCTTGAAGTAAG 1509
1501 GGAATTAACCTCCAGAACAGCAGTGGATGAAATGGACAGTGTCTGACAGCAGCCGTG 1560
1510 GGAATTAACCTCCAGAACAGCAGTGGATGAAATGGACAGTGTCTGACAGCAGCCGTG 1569
1561 GGAAGGACACTTTGTTTCTTATCACTGGACAAACGAGCCTCCCAAAATCCTTCTCTGG 1620
1570 GGAAGGACACTTTGTTTCTTATCACTGGACAAACGAGCCTCCCAAAATCCTTCTCTGG 1629
1621 GATCCAGTGGACAGAAAGTGGCTTTGTAGTGGACAAACACCAAAATGGCCTAC 1680
1630 GATCCAGTGGACAGAAAGTGGCTTTGTAGTGGACAAACACCAAAATGGCCTAC 1689
1681 CTCCAAATCCAGGCAATGCTAAGTGGACACTTGGAAATACAGTCTGCAAGCAAGCTCA 1740
1690 CTCCAAATCCAGGCAATGCTAAGTGGACACTTGGAAATACAGTCTGCAAGCAAGCTCA 1749
1741 CAAACCTTGACCTGACTGCTGACGTCCTGGTCCCAATGCTACCTGCTCCAAATTACA 1800
1750 CAAACCTTGACCTGACTGCTGACGTCCTGGTCCCAATGCTACCTGCTCCAAATTACA 1809
1801 GTGACTTCCAAACGAAACAGGACACCAAGCAATTTCCAGGCTCTGGTAGTTATGCA 1860
1810 GTGACTTCCAAACGAAACAGGACACCAAGCAATTTCCAGGCTCTGGTAGTTATGCA 1869
1861 AATATTCGCAAGGAGCTCCCAATTTCTCAGGCGCAGTGTACAGCCTGATTGATCA 1920
1870 AATATTCGCAAGGAGCTCCCAATTTCTCAGGCGCAGTGTACAGCCTGATTGATCA 1929
1921 GTGAATGGAAACAGTTACCTTTGGAACTACTGATAATGGAGCAGTGTGATGCTACT 1980
1930 GTGAATGGAAACAGTTACCTTTGGAACTACTGATAATGGAGCAGTGTGATGCTACT 1989
1981 AAGGATGACGGTGTCTTACTCAAGGTATTTTACAACTTATGACACGAAATGGTAGATCAGT 2040
1990 AAGGATGACGGTGTCTTACTCAAGGTATTTTACAACTTATGACACGAAATGGTAGATCAGT 2049
2041 GTAAAGTGGGGCTCTGGAGAGTTAAGCAGCAGACGAGAGTGTATCCCGAGCAG 2100
2050 GTAAAGTGGGGCTCTGGAGAGTTAAGCAGCAGACGAGAGTGTATCCCGAGCAG 2109
2101 AGTGGAGCACTGTACATACCTGCTGATTTGAAATGATGAATCAATGGAAATCCACCA 2160
2110 AGTGGAGCACTGTACATACCTGCTGATTTGAAATGATGAATCAATGGAAATCCACCA 2169
2161 AGACCTTGAATTAATGAAGATGATTTCAACCAAGCAAGTGTGTTTTCAGAGAAATCC 2220
2170 AGACCTTGAATTAATGAAGATGATTTCAACCAAGCAAGTGTGTTTTCAGAGAAATCC 2229
2221 TGGGAGGCTCATTTGTGGCTTCTGATGTCCTCCAAATGCTCCCATCCTGATCTTTCCCA 2280
2230 TGGGAGGCTCATTTGTGGCTTCTGATGTCCTCCAAATGCTCCCATCCTGATCTTTCCCA 2289
2281 CTGGCCAAATCACCGACCTGAAGCGGAAATTTACGGGGGAGTCTCATTAATCTGACT 2340
2290 CTGGCCAAATCACCGACCTGAAGCGGAAATTTACGGGGGAGTCTCATTAATCTGACT 2349

2341 TGGACAGCTCCTGGGGATGATTATGACCATGGAACAGCTCACAGTATATCATTCGAATA 2400
2350 TGGACAGCTCCTGGGGATGATTATGACCATGGAACAGCTCACAGTATATCATTCGAATA 2409
2401 AGTACAAGTATTCTTGGATCTCAGAGCAAGTTCAATGAATCTCTTCAAGTGAATACTACT 2460
2410 AGTACAAGTATTCTTGGATCTCAGAGCAAGTTCAATGAATCTCTTCAAGTGAATACTACT 2469
2461 GCTCTCATCCCAAGGAAGCCCACTCTGAGGAAGTCTTTTGTGTTTAAACCAAGAAACATT 2520
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2521 ACTTTGAAAATGGACAGATCTTTTTCATTTGCTATTTAGCTGTGATAGCTGATCTG 2580
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2581 AAATCAGAAATATCCAAACATTTGACAGATCTTTTGTGTTTATTCCTCCACAGACTCCGCCA 2640
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2641 GAGACACCTAGTCTCTGATGAAACGCTGCTCTCTTGTCTTAATTTATCATATCAACAGCACC 2700
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2701 ATTCTGGCAATTCACATTTTAAATAATTTATGTTGAAGTGGATAGGAACTGCAAGCTGTCA 2760
2710 ATTCTGGCAATTCACATTTTAAATAATTTATGTTGAAGTGGATAGGAACTGCAAGCTGTCA 2769
2761 ATAGCTGAGGCTGAAATTTTGTGATGATAAATAAATAATCATTCATCTT 2812
2770 ATAGCTGAGGCTGAAATTTTGTGATGATAAATAAATAATCATTCATCTT 2821

RESULT 5

US-09-764-868-22
; Sequence 22, Application US/09764868
; Patent No. US2002016811A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PT232
; CURRENT APPLICATION NUMBER: US/09/764,868
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 1510
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 22
; LENGTH: 3267
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-868-22

Query Match 100.0%; Score 2812; DB 9; Length 3267;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2812; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GAAATCACAGGAGATGTACAGCAATGGGGCCCAATTTAAGAGTTCTGTGTTTCATCTTGATT 60
DB 11 GAAATCACAGGAGATGTACAGCAATGGGGCCCAATTTAAGAGTTCTGTGTTTCATCTTGATT 70
QY 61 CTTACCTTTTAAAGGGGCCCTTGAGTAATCACTCATTTCAAGTGAACCAATGCTAT 120
DB 71 CTTACCTTTTAAAGGGGCCCTTGAGTAATCACTCATTTCAAGTGAACCAATGCTAT 130
QY 121 GAAGGCAATTTGTTGCAATGCAATGCAATGCAATGCAATGCAATGCAATGCAATGCAATGCAAT 180
DB 131 GAAGGCAATTTGTTGCAATGCAATGCAATGCAATGCAATGCAATGCAATGCAATGCAATGCAAT 190
QY 181 ATAAAGGACATGTTGACCCAGGAGTCTCTGATCTGTTTGAAGCTACAGGAAGCGATT 240
DB 191 ATAAAGGACATGTTGACCCAGGAGTCTCTGATCTGTTTGAAGCTACAGGAAGCGATT 250
QY 241 TATTTCAAAATGTTGGCCATTTTGTGTTCTGAAACATGGAAGCAAAAGGCTGATATGTG 300

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251 TATTTCAAAAAATGTTGGCCATTTTGTATCTCTGAAACATGGAAGACAAAGGCTGACTATGTG 310
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301 AGACCAAAATCTGAGACCTACAAAAATGCTGATGTTCTGGTTGCTGAGTCTACTCTCTCA 360
Db
311 AGACCAAAATCTGAGACCTACAAAAATGCTGATGTTCTGGTTGCTGAGTCTACTCTCTCA 370
QY
361 GGTAAATGTAACCTTACACTGACGAGATGGCACTGTTGGAAGAAGGTTCAAAAGGATC 420
Db
371 GGTAAATGTAACCTTACACTGACGAGATGGGCACTGTTGGAAGAAGGTTGAAAGGATC 430
QY
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Db
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901 CCAATCCCACTCTCATTTGCTGAGATTTGACAAAGAAATTTGTTAGTCTCTTGAC 960
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Db
1031 TTCTGCTGACAGATTTGAGCTGGGCTCTGGGTTGGGATGGTGAATTTGACAGTGTCT 1090
QY
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1091 GCGCATGTAAGTCACTATACAGATAACAGTGGCAGTGACAGGAGACACCTCGCC 1150
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Db
1151 AAAAGATTACCTGACAGCAGTTTCAAGAGGAGCTCCATCTGAGGGGCTTCGATCGGCA 1210
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1201 TTCTGCTGATTTAGGAAGAAATATCCAACTGATGATCTGAAATTTGTGCTGTGAGGAT 1260
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1211 TTCTGCTGATTTAGGAAGAAATATCCAACTGATGATCTGAAATTTGTGCTGTGAGGAT 1270
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1271 GGGGAAGACAACTATAGTGGTGTCTTAAAGAGGTTCAAAAGTGGTGGCTCATC 1330
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1321 CACACAGTCCGCTTTGGGCGCTCTGAGCTCAAGAACTAGAGAGGCTGTCAAAAATGACA 1380
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1331 CACACAGTCCGCTTTGGGCGCTCTGAGCTCAAGAACTAGAGGAGCTGTCAAAAATGACA 1390
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1391 GGAGGTTTACAGACATATGCTTTCAGATCAAGTTTCAGAACAATGGCTCATTCATGCTTTT 1450
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1451 GGGGCGCTTTTCATCAGGAAATGGAGCTGCTCTCAGCGCTCCATCAGCTTTCAGAGTAAAG 1510
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1511 GGAATTAACCTCCAGAACAGCAGTGGATGAATGCAACAGTGCAGTGCAGAGCAGCAGTG 1570
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1571 GGAAGGACACTTTGTTTCTTATCACTGGCAACAGCAGCCTCCCAATCTCTCTCG 1630
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1631 GATCCAGTGGACAGAAAGGCTGCTTGTAGTGGCAAAAAACACAAAAATGGCTTAC 1690
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Db
1691 CTCCAAATCCAGGCAATGCTAAGTTGGCACTTGGAAATACAGTCTGCAAGCAAGCTCA 1750
QY
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1751 CAAACCTTGACCTGACTGTACGTCCTGGTCCCAATGCTTACCTGCTTCCCAATTACA 1810
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Db
1811 GTGACTTCCAAAAAGCAAGGACACAGCAAAATCCCGAGCCCTCTGGTAGTTATGCA 1870
QY
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Db
1871 AATATTCGCAAGGAGCTCCCAATCTCAGGGCCAGTGTCAAGCCCTGATGAATCA 1930
QY
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1931 GTGATGGAAGAAACAGTTTACCTTGGAACTTCTGGTAATGGAAGAGGCTGCTGATCTACT 1990
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1981 AAGGATGACGGTGTCTACTCAAGGTATTTCAAACTTATGACAGAAATGGTAGATACAGT 2040
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1991 AAGGATGACGGTGTCTACTCAAGGTATTTCAAACTTATGACAGAAATGGTAGATACAGT 2050
QY
2041 GTAAAGTCCGGCTCTCGGAGGAGTTAAACGAGCCAGACGAGAGTGAATCCCGAGCAG 2100
Db
2051 GTAAAGTCCGGCTCTCGGAGGAGTTAAACGAGCCAGACGAGAGTGAATCCCGAGCAG 2110
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2101 AGTGAGCACTGTACATACCTGGCTGGATTTGAGATGATGAATCAATGGAATCCACCA 2160
Db
2111 AGTGAGCACTGTACATACCTGGCTGGATTTGAGATGATGAATCAATGGAATCCACCA 2170
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2161 AGACTGAAATTAATAAGGATGATGTTCAACAAAGCAAGTGTGTTTTCAGCAGAAACATCC 2220
Db
2171 AGACTGAAATTAATAAGGATGATGTTCAACAAAGCAAGTGTGTTTTCAGCAGAAACATCC 2230
QY
2221 TCGGAGGCTCATTTTGTGGCTTCTGATGTCGCAATGCTCCCATACCTGATCTCTTCCCA 2280
Db
2231 TCGGAGGCTCATTTTGTGGCTTCTGATGTCGCAATGCTCCCATACCTGATCTCTTCCCA 2290
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2281 CTTGGCCAAATTCACGACTGAAGCGGAATTCACGGGGGAGTCTCATTAATCTGACT 2340
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2291 CTTGGCCAAATTCACGACTGAAGCGGAATTCACGGGGGAGTCTCATTAATCTGACT 2350
QY
2341 TGGACAGCTCTCTGGGGATGATTTATGACCATGGAACAGCTCACAAGTATATCATTCGGAATA 2400
Db
2351 TGGACAGCTCTCTGGGGATGATTTATGACCATGGAACAGCTCACAAGTATATCATTCGGAATA 2410
QY
2401 AGTACAAGTATTTTGTGATCTCAGAGCAAGTTCAATGAATCTCTTCAAGTGAATACTACT 2460
Db
2411 AGTACAAGTATTTTGTGATCTCAGAGCAAGTTCAATGAATCTCTTCAAGTGAATACTACT 2470
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QY 2461 GCTCTCATCCCAAAGGAGCCAACTCTGAGGAAGTCTTTTGTGTTAAACAGAAAAATTT 2520
DB 2471 GCTCTCATCCCAAAGGAGCCAACTCTGAGGAAGTCTTTTGTGTTAAACAGAAAAATTT 2530
QY 2521 ACTTTTGAATAGGACACAGATCTTTTCAATGCTATTCAGGCTGTTGATAGGCTGATCTG 2580
DB 2531 ACTTTTGAATAGGACACAGATCTTTTCAATGCTATTCAGGCTGTTGATAGGCTGATCTG 2590
QY 2581 AAATCAGAAATATCCAAATGACAGATATCTTTGTTTATTCCTCCACAGACTCCGCCA 2640
DB 2591 AAATCAGAAATATCCAAATGACAGATATCTTTGTTTATTCCTCCACAGACTCCGCCA 2650
QY 2641 GAGACACCTAGTCTGATGAACAGTCTGCTCTGCTGCTTAATATTCATATCAACAGCACC 2700
DB 2651 GAGACACCTAGTCTGATGAACAGTCTGCTCTGCTTGTCTTAATATTCATATCAACAGCACC 2710
QY 2701 ATTCTGSCATTCACATTTTAAATATATGGAAGTATAGGAGACTGAGCTGTCA 2760
DB 2711 ATTCTGSCATTCACATTTTAAATATATGGAAGTATAGGAGACTGAGCTGTCA 2770
QY 2761 ATAGCTAGGGCTGAATTTTGTGATATAAATAAATCAATTCATCTT 2812
DB 2771 ATAGCTAGGGCTGAATTTTGTGATATAAATAAATCAATTCATCTT 2822

RESULT 6

US-10-055-412B-27
; Sequence 27, Application US/10055412B
; Publication No. US20030059861A1
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; FILE REFERENCE: 18617.0058
; CURRENT APPLICATION NUMBER: US/10/055,412B
; PRIOR FILING DATE: 2001-10-29
; PRIOR APPLICATION NUMBER: US/09/193,562
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 27
; LENGTH: 3007
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-055-412B-27

Query Match 99.8%; Score 2807.2; DB 15; Length 3007;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 2809; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 1 GAAATCAGAGGAGATGTACAGCAATGGGGCCATTTAAGAGTTCTGTGTTCACTTGATT 60
DB 23 GGAATCAGAGGAGATGTACAGCAATGGGGCCATTTAAGAGTTCTGTGTTCACTTGATT 82
QY 61 CTTTCACTTCTAGAGGGGCGCTGAGTAATTCACATTCAGCTGAACAACTAGGCTAT 120
DB 83 CTTTCACTTCTAGAGGGGCGCTGAGTAATTCACATTCAGCTGACAACTAGGCTAT 142
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DB 143 GAAGGCAATGTCGTTGCAATCGAACCCCAATGTCGCAAGAGATGAACACTATTCACAA 202
QY 181 ATAAGGACATGTCGTTGCAATCGAACCCCAATGTCGCAAGAGATGAACACTATTCACAA 240
DB 203 ATAAGGACATGTCGTTGCAATCGAACCCCAATGTCGCAAGAGATGAACACTATTCACAA 262
QY 241 TATTTTCAAAATATGTTGCCAATTTTGTATTCCTGAAACATGGAAGCAAGGCTGACTATGTG 300
DB 263 TATTTTCAAAATATGTTGCCAATTTTGTATTCCTGAAACATGGAAGCAAGGCTGACTATGTG 322
QY 301 AGACCAAACTTGAGACCTTACAAAAATGCTGATGTTCTGTTGCTGAGTCTACTCTCTCCA 360

DB 323 AGACCAAACTTGAGACCTTACAAAAATGCTGATGTTCTGGTGTCTGAGTCTACTCTCTCCA 382
QY 361 GGTATATGATGAACCCCTTACACTGAGCAGATGGGCAACTGTGGAGAGAAAGGTGAAAGGATC 420
DB 383 GGTATATGATGAACCCCTTACACTGAGCAGATGGGCAACTGTGGAGAGAAAGGTGAAAGGATC 442
QY 421 CACCTCACTCTGATTTTCAATGCAAGAAAAAGTTAGCTGAAATATGGAACACAGGTAGG 480
DB 443 CACCTCACTCTGATTTTCAATGCAAGAAAAAGTTAGCTGAAATATGGAACACAGGTAGG 502
QY 481 GCATTTGTCATGAGTGGGCTCATCTACGATGGGAGTATTTGACGAGTACAAATATGAT 540
DB 503 GCATTTGTCATGAGTGGGCTCATCTACGATGGGAGTATTTGACGAGTACAAATATGAT 562
QY 541 GAGAAATTTCTACTTATCCAAATGGAAGATACAAAGCAGTAGATGTTTCAGCAGGTATTACT 600
DB 563 GAGAAATTTCTACTTATCCAAATGGAAGATACAAAGCAGTAGATGTTTCAGCAGGTATTACT 622
QY 601 GGTACAAATGTAGTAAAGAAAGTGTCAAGGAGCAGCTGTTCACACCAAAAGATGCAATTC 660
DB 623 GGTACAAATGTAGTAAAGAAAGTGTCAAGGAGCAGCTGTTCACACCAAAAGATGCAATTC 682
QY 661 AATAAGTAAACAGGACTCTATGAAAAAGATGTAGTTGTTCTCCAATCCGCCAGACG 720
DB 683 AATAAGTAAACAGGACTCTATGAAAAAGATGTAGTTGTTCTCCAATCCGCCAGACG 742
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DB 743 GAGAGGCTTCTATTAATGTTGCAACAACTGTTGTTCTATAGTTGAAATTTCTGTACAGAA 802
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DB 803 CAAAAACCAACAAAGAAAGCTCCAAACAAAGCAAAATCAAAAAATGCAATCTCCGAAGCACA 862
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DB 863 TGGGAAGTATCCGCTGATTTCTGAGGACTTTAAGAAAAACCACTCTATGACACACAGCCA 922
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DB 923 CCAAAATCCCACTCTCTCATTTGCTGACAGATTGACAAAGAAATTTGTGTTTGTCTTGAC 982
QY 961 AAATCTGGAAGCATGGCGACTGTAACCCGCTCAATCGACTGAATCAAGCAGGCCAGCTT 1020
DB 983 AAATCTGGAAGCATGGCGACTGTAACCCGCTCAATCGACTGAATCAAGCAGGCCAGCTT 1042
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QY 1081 GCGCATGTACAAAGTGAACCTCATACAGATAAAACAGTGGCAGTGACAGGACACACTCGCC 1140
DB 1103 GCGCATGTACAAAGTGAACCTCATACAGATAAAACAGTGGCAGTGACAGGACACACTCGCC 1162
QY 1141 AAAAGATTACCTGCGACGACTTTTCCAGAGGAGCGTCCATCTGACGCGGCTTCGATCGCA 1200
DB 1163 AAAAGATTACCTGCGACGACTTTTCCAGAGGAGCGTCCATCTGACGCGGCTTCGATCGCA 1222
QY 1201 TTTTACTGTGATTAGGAAGAAATATCCAACTGATGAAATCTGAAATTTGTGCTGACGGAT 1260
DB 1223 TTTTACTGTGATTAGGAAGAAATATCCAACTGATGAAATCTGAAATTTGTGCTGACGGAT 1282
QY 1261 GGGGAGAACACACTATTAAGTGGTCTTTTACAGGCTCAAAACAAAGTGGTGCATCATC 1320
DB 1283 GGGGAGAACACACTATTAAGTGGTCTTTTACAGGCTCAAAACAAAGTGGTGCATCATC 1342
QY 1321 CACACAGTCTGCTTTGGGGCCCTCTCAGCTCAAGAACTAGAGAGCTGTCCAAAATGACA 1380
DB 1343 CACACAGTCTGCTTTGGGGCCCTCTCAGCTCAAGAACTAGAGAGCTGTCCAAAATGACA 1402
QY 1381 GGAGGTTTACAGACATATGCTTTCAGATCAAGTTTCAAGCAATGGGCTCATTTGATGTTTTT 1440

Db 1403 GGAGGTTTACAGACATATGCTTTCAGATCAAGTTTCAGAAACAATGGCTCATTTGATGCTTTT 1462
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Db 1523 GGATTAACCCCTCCAGAACAGCCAGTGGATGAATGGCAGAGTATGATCGTGGACAGCACCCTG 1582
Qy 1561 GGAAGGACACCTTTGTTTCTTATCAGCTGGACAAAGCAGCCTCCCAATCTCTCTGG 1620
Db 1583 GGAAGGACACCTTTGTTTCTTATCAGCTGGACAAAGCAGCCTCCCAATCTCTCTGG 1642
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Qy 1801 GTGACTTCCAAACGAAACAGGACACCAAGCAATTTCCCGAGCCCTCTGGTAGTTATGCA 1860
Db 1823 GTGACTTCCAAACGAAACAGGACACCAAGCAATTTCCCGAGCCCTCTGGTAGTTATGCA 1882
Qy 1861 AATATTTCGCAAGGAGCTCCCAATTTCTCAGGCGCAGTGTACAGCCCTGATTCGAATCA 1920
Db 1883 AATATTTCGCAAGGAGCTCCCAATTTCTCAGGCGCAGTGTACAGCCCTGATTCGAATCA 1942
Qy 1921 GTGAATGGAAAAACAGTTACCTTGGAACTATCGGATAATGGAGCAGGTCTGATGCTACT 1980
Db 1943 GTGAATGGAAAAACAGTTACCTTGGAACTATCGGATAATGGAGCAGGTCTGATGCTACT 2002
Qy 1981 AAGGATGCGGTCTTACTCAGGTTATTCACAACTTATGACAGCAATGGTAGATACAGT 2040
Db 2003 AAGGATGCGGTCTTACTCAGGTTATTCACAACTTATGACAGCAATGGTAGATACAGT 2062
Qy 2041 GTAAAGTTCGGGCTCTGGAGAGTTTACGAGCAGCAGAGAGTATATCCCGAGCAG 2100
Db 2063 GTAAAGTTCGGGCTCTGGAGAGTTTACGAGCAGCAGAGAGTATATCCCGAGCAG 2122
Qy 2101 AGTGAGCACTGTACATACCTGGCTGGATGAGATGATGAATCAATGGAAATCCACCA 2160
Db 2123 AGTGAGCACTGTACATACCTGGCTGGATGAGATGATGAATCAATGGAAATCCACCA 2182
Qy 2161 AGACTGAAATTAATAGGATGATGTTCAACAGCAAGTGTGTTTCAGCAGACATCC 2220
Db 2183 AGACTGAAATTAATAGGATGATGTTCAACAGCAAGTGTGTTTCAGCAGACATCC 2242
Qy 2221 TCGGAGGCTCATTTGTGGCTTCTGATGTCCTCAATGCTCCCATACCTGATCTTTCCCA 2280
Db 2243 TCGGAGGCTCATTTGTGGCTTCTGATGTCCTCAATGCTCCCATACCTGATCTTTCCCA 2302
Qy 2281 CTGCGCAAAATCACCGACCTGAAGCGGAAATTCACGGGGGAGTCTCATTAATCTGACT 2340
Db 2303 CTGCGCAAAATCACCGACCTGAAGCGGAAATTCACGGGGGAGTCTCATTAATCTGACT 2362
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Db 2363 TGGACAGCTCTCGGGATGATTTATGACCATGAAAGCTCAGATATATCATTTGGAATA 2422
Qy 2401 AGTACAAGTATTTCTTGATCTCAGAGACAGTTTCAATGAATCTCTTCAAGTGAATACTACT 2460
Db 2423 AGTACAAGTATTTCTTGATCTCAGAGACAGTTTCAATGAATCTCTTCAAGTGAATACTACT 2482
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Db 2483 GCTCTCATCCCAAGGAAGCCAACTCTGAGGAAGTCTTTTGTGTTTAAACGAGAAACATTT 2542

Qy 2521 ACTTTTGAATAATGGCACAGATCTTTTTCATTTGCTATTTCAGGCTGTTGATAAGGTCGATCTG 2580
Db 2543 ACTTTTGAATAATGGCACAGATCTTTTTCATTTGCTATTTCAGGCTGTTGATAAGGTCGATCTG 2602
Qy 2581 AAATCAGAAAATATCAACATTTGCACAGATATCTTTGTTTATTCCTCCACAGACTCCGCCA 2640
Db 2603 AAATCAGAAAATATCAACATTTGCACAGATATCTTTGTTTATTCCTCCACAGACTCCGCCA 2662
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Db 2663 GAGACACCTAGTCTGATGAACGCTGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 2722
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Db 2723 ATTCCTGTCATTTCAATTTTAAATAATTTATGTGGAAGTGGATAGGAGAACTGCAGCTGTCA 2782
Qy 2761 ATAGCTAGGCTGAATTTTGTTCAGATAATAATAATAATAATAATAATAATAATAATAATAATA 2812
Db 2783 ATAGCTAGGCTGAATTTTGTTCAGATAATAATAATAATAATAATAATAATAATAATAATAATA 2834

RESULT 7

US-09-922-217-1056
; Sequence 1056, Application US/09922217
; Patent No. US20020076414A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather
; APPLICANT: Benson, Darin R.
; APPLICANT: Meagher, Madeleine Joy
; APPLICANT: Stolk, John A.
; APPLICANT: Wang, Tongcong
; APPLICANT: Jiang, Yugu
; APPLICANT: Smith, Carole Lynn
; APPLICANT: King, Gordon E.
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; FILE REFERENCE: 210121.471C13
; CURRENT APPLICATION NUMBER: US/09/922,217
; CURRENT FILING DATE: 2001-08-03
; NUMBER OF SEQ ID NOS: 1124
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1056
; LENGTH: 3311
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-922-217-1056

Query Match 99.8%; Score 2807.2; DB 9; Length 3311;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 2809; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 GAAATCAGGAGAGATGTACAGCAATGGGCCATTTAGAGTTCTGTGTTTCATCTTGATT 60
Db 328 GGAATCAGGAGAGATGTACAGCAATGGGCCATTTAGAGTTCTGTGTTTCATCTTGATT 387
Qy 61 CTTTACCTTTAGAGGGCCCTGAGTAATTCACCTCATTTCAGCTGAAACAAATGGCTAT 120
Db 398 CTTTACCTTTAGAGGGCCCTGAGTAATTCACCTCATTTCAGCTGAAACAAATGGCTAT 447
Qy 121 GAAGCATTGTGTTGCAATCGACCCCAATGTGCCAGAGATGAAACACTTATTCACAA 180
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Qy 181 ATAAAGGACATGGTCAACCCAGCATCTGTATCTGTTTGAGCTTACAGGAAGCGATT 240
Db 508 ATAAAGGACATGGTCAACCCAGCATCTGTATCTGTTTGAGCTTACAGGAAGCGATT 567
Qy 241 TATTTCAAAAATGTTGGCCATTTTGATTTCTCTGAAACATGGAAGCAAAAGGCTGACTATGTG 300

Db 568 |||||TATTTTCAAAAATGTTGCCATTTTGAATTCCTGAAACATGGAAGCAAAAGCTGACTATGTG 627
QY 301 AGACCAAAACTTTGAGACCTTACAAAATGCTGATGTTTCTGTTGCTGAGTCTACTCTCTCCA 360
Db 628 AGACCCAAACTTTGAGACCTTACAAAATGCTGATGTTTCTGTTGCTGAGTCTACTCTCTCCA 687
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Db 688 GGTAAATGATGAACCCCTACACTGAGCAGATGGGCAACTGTGGAGAGAGGGTGAAGGATC 747
QY 421 CACCTCACCTCTGATTTTCAATTCAGAGAAAAGTTAGCTGAATATGGAACAAGGTAGG 480
Db 748 CACCTCACCTCTGATTTTCAATTCAGAGAAAAGTTAGCTGAATATGGAACAAGGTAGG 807
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Db 868 GAGAAATTTCTATTTCAATGGAAGAAATAAAGCAGTAAGATGTTTCAAGCAGGTATTTACT 927
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Db 928 GGTACAAATGATTAAGAAAGTGTCAAGGAGGAGCTGTTTACACCAAAAGATGCACATTC 987
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Db 988 AATAAAGTAAAGGACTCTATGAAAGAGATGTGAGTGTGTTTCTCCAAATCCCGCCAGAGC 1047
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Db 1108 CAAAACCAACAAAGAGCTCAAAACAGCAAAATCAAAAATGCAATCTCCGAAGCACA 1167
QY 841 TGGGAAGTATCCGTGATTTCTGAGGACTTTTAAAGAAAACCACTCTATGACAAACAGGCCA 900
Db 1168 TGGGAAGTATCCGTGATTTCTGAGGACTTTTAAAGAAAACCACTCTATGACAAACAGGCCA 1227
QY 901 CCAATCCCACTCTCTCATTTGCTGCAGATTGACAAAGAAATTTGTGTTAGTCTCTTGAC 960
Db 1228 CCAATCCCACTCTCTCATTTGCTGCAGATTGACAAAGAAATTTGTGTTAGTCTCTTGAC 1287
QY 961 AAATCTGGAGCATGGCGACTGTTAACCCCTCAATFCGACTGAATCAAGCAGGCGAGCTT 1020
Db 1288 AAATCTGGAGCATGGCGACTGTTAACCCCTCAATFCGACTGAATCAAGCAGGCGAGCTT 1347
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Db 1408 GCCCATGTACAAAGTGAACTCATACAGATAAACAAGTGGCAGTGCACAGGAGACACTTCGCC 1467
QY 1141 AAAAGATTAACCTGCAGCAGCTTCAGAGGGAGCGTCCATCTGAGGCGGCTTCGATCGGCA 1200
Db 1468 AAAAGATTAACCTGCAGCAGCTTCAGAGGGAGCGTCCATCTGAGGCGGCTTCGATCGGCA 1527
QY 1201 TTTTACTGTGATTAAGGAAGAAATATCAACTGATGATCTGAAATTTGCTGCTGAGCGGAT 1260
Db 1528 TTTTACTGTGATTAAGGAAGAAATATCAACTGATGATCTGAAATTTGCTGCTGAGCGGAT 1587
QY 1261 GGGGAAGACAAACACTATAAGTGGTGTCTTTAAGCAGGCTCAAAACAAAGTGGTGCCATCATC 1320
Db 1588 GGGGAAGACAAACACTATAAGTGGTGTCTTTAAGCAGGCTCAAAACAAAGTGGTGCCATCATC 1647
QY 1321 CACACAGTCCGTTTGGGCGCTCTGCAGCTCAAGAACTAGAGAGCTGTCCAAAATGACA 1380

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QY 1381 GGAGGTTTACAGACATATGCTTTCAGATCAAAGTTTCAGAACAATGGGCTCATTTGATGCTTTT 1440
Db 1708 GGAGGTTTACAGACATATGCTTTCAGATCAAAGTTTCAGAACAATGGGCTCATTTGATGCTTTT 1767
QY 1441 GGGGCGCTTTTCATAGGAAATGAGCTGTCTCAGCGCTCCATCAGCTTGAGAGTAAG 1500
Db 1768 GGGGCGCTTTTCATAGGAAATGAGCTGTCTCAGCGCTCCATCAGCTTGAGAGTAAG 1827
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Db 1828 GGATTTAAACCTCCAGAACAGCCAGTGGATGAATGCAAGTGCATGCTGGACAGCACCGTG 1887
QY 1561 GGAAGGAGCACATTTGTTTCTTATACCTGGAACAAGCAGCTCCCAAAATCTCTCTGG 1620
Db 1888 GGAAGGAGCACATTTGTTTCTTATACCTTGGACAAAGCAGCTCCCAAAATCTCTCTGG 1947
QY 1621 GATCCAGTGGACAGAACAGGTGGCTTTGTAGTGGACAAAACACCAAAATGGGCTTAC 1680
Db 1948 GATCCAGTGGACAGAACAGGTGGCTTTGTAGTGGACAAAACACCAAAATGGGCTTAC 2007
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QY 1801 GTGACTTCCAAAACGAAACAGGACCAAGCAAAATTTCCCAAGCCCTCTGGTAGTTTATGCA 1860
Db 2128 GTGACTTCCAAAACGAAACAGGACCAAGCAAAATTTCCCAAGCCCTCTGGTAGTTTATGCA 2187
QY 1861 AATATTCGCAAGGAGGCTCCCAATTTCTCAGGCGCAGTGTCAAGCCCTGATTTGAATCA 1920
Db 2188 AATATTCGCAAGGAGGCTCCCAATTTCTCAGGCGCAGTGTCAAGCCCTGATTTGAATCA 2247
QY 1921 GTGAATGGAAAAACAGTTTACCTTGGAACTATCTGGAATAATGGAGCAGGTGCTGATGCTACT 1980
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QY 1981 AAGGATGACGCTGTCTACTCAAGGATTTTCACAACTTATGACACGAATGGTAGATACAGT 2040
Db 2308 AAGGATGACGCTGTCTACTCAAGGATTTTCACAACTTATGACACGAATGGTAGATACAGT 2367
QY 2041 GTAAAAGTCCGGCTCTGGGAGGAGTTAACGACGCCAGCAGAGAGTGAATCCCGACGAG 2100
Db 2368 GTAAAAGTCCGGCTCTGGGAGGAGTTAACGACGCCAGCAGAGAGTGAATCCCGACGAG 2427
QY 2101 AGTGGAGCACTGTACATACCTGCTGGATTGAGAAATGATGAATAATCAATGGAAATCCACCA 2160
Db 2428 AGTGGAGCACTGTACATACCTGCTGGATTGAGAAATGATGAATAATCAATGGAAATCCACCA 2487
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Db 2548 TCGGAGAGCTCATTTTGTGGCTTCTGATGTCCCAATGCTCCCATACCTGATCTCTTCCCA 2607
QY 2281 CCTGGCCAAAATCACCAGCTGAAAGCGGAAATTTCAAGGGGCGAGTCTCATTAATCTGACT 2340
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2521 ACTTTGAAAATGGCAGACATCTTTTCAATGCTATTTCAGGCTGTTGATAAGTGCATCTG 2580
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2581 AAATCAGAAATATCCAAATTCGACAGATCTTTTGTGTTTATTCCTCCACAGACTCGGCA 2640
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2641 GAGACACCTAGTCCGTGATGAAACGCTGCTGCTTGTGCTTAAATATCATATCAACAGCACC 2700
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2701 ATTCTGGCAATTCACATTTTAAATAATATGCGAAGTGGATAGGAGAACTGCAGCTGTCA 2760
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3028 ATTCTGGCAATTCACATTTTAAATAATATGCGAAGTGGATAGGAGAACTGCAGCTGTCA 3087
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2761 ATAGCTAGGCTGATTTTGTGATGATGATGATGATGATGATGATGATGATGATGATGAT 2812
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3088 ATAGCTAGGCTGATTTTGTGATGATGATGATGATGATGATGATGATGATGATGATGAT 3139

RESULT 8
US-09-833-263-1056
; Sequence 1056, Application US/09833263
; Patent No. US20020110547A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; APPLICANT: Stoak, John A.
; APPLICANT: Meagher, Madeleine J.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF COLON CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.471C12
; CURRENT APPLICATION NUMBER: US/09/833,263
; CURRENT FILING DATE: 2001-04-10
; NUMBER OF SEQ ID NOS: 1093
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1056
; LENGTH: 3311
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-833-263-1056

Query Match 99.8%; Score 2807.2; DB 9; Length 3311;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 2809; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 GAAATCAGAGGAGATGTACAGCAATGGGGCCATTTAAGAGTTCTGTGTTCACTTTGATT 60
Db 328 GGAATCAGAGGAGATGTACAGCAATGGGGCCATTTAAGAGTTCTGTGTTCACTTTGATT 387
Qy 61 CTTCACTCTAGAGGGGCGCTGATTTCACTATTCACTGATGATGATGATGATGATGATGAT 120
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Qy 121 GAAGGCAATGTCGTTGCAATCGACCCCAATGCGCAGAGATGAAACACTCATTTCAACAA 180
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Db 568 TATTTTCAAAATGTTGCCATTTTGTATCTCTGAAACATGGAAGACAAAGGCTGATCTGTG 627
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1108 CAAAACCAACAAAGAAAGCTCCAAACAAAGAAATCAAAATGCAATCTCCGAAAGCACA 1167
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841 TGGGAAGTGAATCCGTGATTTCTGAGGACTTTAAGAAACCACTCTTATGACAAACAGCCA 900
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901 CCAATCCCACTTCTCATTTGCTGAGATGGAACAAAGATGTTGTTAGTCTTCTGAC 960
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961 AAATCTGGAAGCATGGGACCTGTAACCGCTCAATCGACTGAATCAAGAGCGCCAGCTT 1020
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1288 AAATCTGGAAGCATGGGACCTGTAACCGCTCAATCGACTGAATCAAGAGCGCCAGCTT 1347
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1021 TTCTGCTGCAGACAGTTGAGTGGGGTCTGAGGTTGGGATGGTGACATTTGACAGTGTCT 1080
Db
1348 TTCTGCTGCAGACAGTTGAGTGGGGTCTGAGGTTGGGATGGTGACATTTGACAGTGTCT 1407
Qy
1081 GCCCATGTACAAAGTGAATCTATACAGATAAACAGTGGCAGTGACAGGACACATCTCGCC 1140
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1408 GCCCATGTACAAAGTGAATCTATACAGATAAACAGTGGCAGTGACAGGACACATCTCGCC 1467
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1141 AAAAGATTTACCTGCAGCAGCTTTCAGAGGGAGCTCCATCTGCAGCGGGCTTCGATCGGCA 1200
Db
1468 AAAAGATTTACCTGCAGCAGCTTTCAGAGGGAGCTCCATCTGCAGCGGGCTTCGATCGGCA 1527
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1201 TTTACTGTGATTAGGAAGAAATATCCAACTGATGATGATGATGATGATGATGATGATGATG 1260
Db
1528 TTTACTGTGATTAGGAAGAAATATCCAACTGATGATGATGATGATGATGATGATGATGATG 1587
Qy
1261 GGGGAAGACAACTATTAAGTGGGTGCTTTAAACGAGGTCAAAACAAAGTGGTGGCCATCATC 1320
Db
1588 GGGGAAGACAACTATTAAGTGGGTGCTTTAAACGAGGTCAAAACAAAGTGGTGGCCATCATC 1647
Qy
1321 CACACAGTGGCTTTGGGGCCCTCTGACGTCAAGAACTAGAGAGCTGTGTCAAAATGACA 1380
Db
1648 CACACAGTGGCTTTGGGGCCCTCTGACGTCAAGAACTAGAGAGCTGTGTCAAAATGACA 1707
Qy
1381 GGAGGTTTACAGACATATGCTTTCAGATCAAGTTTCAGAAACAATGGCCTCATGATGCTTTT 1440

QY	2521	ACTTTTGAAAATGGCACAGATCTTTTTCATTTGCTATTACAGGCTGTTGATAGGTCGATCTG	2580
Db	2848	ACTTTTGAAAATGGCACAGATCTTTTTCATTTGCTATTACAGGCTGTTGATAGGTCGATCTG	2907
QY	2581	AAATCAGAAATATCCAAATTTGCACGAGTATCTTTTGTATTTCTCCACAGACTCCGCA	2640
Db	2908	AAATCAGAAATATCCAAATTTGCACGAGTATCTTTTGTATTTCTCCACAGACTCCGCA	2967
QY	2641	GAGACACTAGTCTCTGATGAAACGTCTGCTCCTTGTCTCTAATATTCATATCAACAGACCC	2700
Db	2968	GAGACACTAGTCTCTGATGAAACGTCTGCTCCTTGTCTCTAATATTCATATCAACAGACCC	3027
QY	2701	ATTCTGGCATTCACATTTTAAAAAATATATGTGGAGTGGATAGAGAACTGCAGCTGTCA	2760
Db	3028	ATTCTGGCATTCACATTTTAAAAAATATATGTGGAGTGGATAGAGAACTGCAGCTGTCA	3087
QY	2761	ATAGCCTAGGCTGAATTTTTTGTGCAGATAAATAAATAAATCATTCATCCTT	2812
Db	3088	ATAGCCTAGGCTGAATTTTTTGTGCAGATAAATAAATAAATCATTCATCCTT	3139
RESULT 9			
US-10-025-380-1056			
; Sequence 1056, Application US/10025380			
; Publication No. US20020182191A1			
; GENERAL INFORMATION:			
; APPLICANT: Xu, Jiangchun			
; APPLICANT: Lodes, Michael J.			
; APPLICANT: Secrist, Heather			
; APPLICANT: Benson, Darin R.			
; APPLICANT: Meagher, Madeleine Joy			
; APPLICANT: Stolk, John A.			
; APPLICANT: Wang, Tongtong			
; APPLICANT: Jiang, Yugu			
; APPLICANT: Smith, Carole L.			
; APPLICANT: King, Gordon E.			
; APPLICANT: Wang, Aijun			
; APPLICANT: Clapper, Jonathan D.			
; APPLICANT: Skeiky, Yasir A. W.			
; APPLICANT: Fanger, Gary R.			
; APPLICANT: Vedvick Thomas S.			
; APPLICANT: Carter, Darrick			
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS			
; TITLE OF INVENTION: OF COLON CANCER AND METHODS FOR THEIR USE			
; FILE REFERENCE: 210121.47IC14			
; CURRENT APPLICATION NUMBER: US/10/025,380			
; CURRENT FILING DATE: 2001-12-19			
; NUMBER OF SEQ ID NOS: 1129			
; SOFTWARE: FastSeq for Windows Version 4.0			
; SEQ ID NO 1056			
; LENGTH: 3311			
; TYPE: DNA			
; ORGANISM: Homo sapiens			
US-10-025-380-1056			
Query Match 99.8%; Score 2807.2; DB 14; Length 3311;			
Best Local Similarity 99.9%; Pred. No. 0;			
Matches 2809; Conservative 0; Mismatches 3; Indels 0; Gaps 0;			
QY	1	GAATATCAGAGGAGATGTACAGCAATGGGGCCATTTAAGAGTTCCTGTGTTTCATCTTGATT	60
Db	328	GGATATCAGAGGAGATGTACAGCAATGGGGCCATTTAAGAGTTCCTGTGTTTCATCTTGATT	387
QY	61	CTTCACCTTCTAGAAGGGGCGCTGAGTAATTCATCTCATTTGAGTGAACAACAATGGCTAT	120
Db	388	CTTCACCTTCTAGAAGGGGCGCTGAGTAATTCATCTCATTTGAGTGAACAACAATGGCTAT	447
QY	121	GAAGGCATTTGCTGTTGCAATCGACCCCAATGTGCGAAGATGAAACACTCATTCAACAA	180
Db	448	GAAGGCATTTGCTGTTGCAATCGACCCCAATGTGCGAAGATGAAACACTCATTCAACAA	507
QY	181	ATAAGGACCATGTGTGACCCAGGCATCTCTGTATCTGTTTGAAGCTACAGGAAAGCGATT	240

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QY |||||
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688 GGTAAATGATGAACCTTACACTGAGCAGATGGCAACTGTGGAGAGAAGGTTGAAGGATC 747
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808 GCATTTGTCATGAGTGGGCTCATCTACGATGGGAGTATTTGACGAGTACAAATATGAT 867
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1588 GGGGAAGACAAACATATTAAGTGGGTCTTTAAACGAGGTCAAAACAAAGTGGTGCCATCATC 1647
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QY |||||
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1828 GGATTAACCCCTCCAGAACAGCCAGTGGATGAATGCAAGTATGCTGGACAGCAGCCGTTG 1887
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1561 GGAAGGACACATTTGTTTCTTATCACTTGGCAACGCGAGCTTCCCAAAATCTTCTCTGG 1620
Db |||||
1888 GGAAGGACACATTTGTTTCTTATCACTTGGCAACGCGAGCTTCCCAAAATCTTCTCTGG 1947
QY |||||
1621 GATCCAGTGGACAGAAAGGTGGCTTTGTAGTGGCAAAAACACCAAAAATGCGCTTAC 1680
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1948 GATCCAGTGGACAGAAAGGTGGCTTTGTAGTGGCAAAAACACCAAAAATGCGCTTAC 2007
QY |||||
1681 CTCAAATCCCAAGGCATTTGAGTGGCACTTGGAAATACAGTCTGCAACAAAGCTCA 1740
Db |||||
2008 CTCAAATCCCAAGGCATTTGAGTGGCACTTGGAAATACAGTCTGCAACAAAGCTCA 2067
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1741 CAAACCTTGACCTGACTGTCACTGCTCCGTGCGTCCAATGCTTACCTGCTCCCAATTA 1800
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2068 CAAACCTTGACCTGACTGTCACTGCTCCGTGCGTCCAATGCTTACCTGCTCCCAATTA 2127
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2188 AATATTTCCCGAGGAGCCCTCCCAATTTCTAGGGCCAGTGTACAGCCCTGATTCGAATCA 2247
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Db |||||
2248 GTGAATGAAAAACAACTTACCTTGGAACTACTGGATAATGAGCAGAGTCTGATGCTACT 2307
QY |||||
1981 AAGGATGACGCTGTCTACTCAAGGATTTTCAAACTTATGACCAAGATGTTAGATACAGT 2040
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Db |||||
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Db |||||
2488 AGACTGAAAATTAATAAGGATGATTTCAACAAAGCAAGTGTGTTTTCAGCAGACATCC 2547
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2281 CTGSCCAAAATCACCGACCTGAAAGCGGAAAATTTCAAGGGGCGAGTCTCATTTAATCTGACT 2340
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2341 TGGACAGCTCTCTGGGGATGATTTATGACCAATGGAACAGCTCACAAGTATATCATTTGGAATA 2400
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2668 TGGACAGCTCTCTGGGGATGATTTATGACCAATGGAACAGCTCACAAGTATATCATTTGGAATA 2727

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DB 2728 AGTACAAGTATTCTTGAATCTCAGAGCAAGTTCAATGAATCTCTTCAAGTGAATCTACT 2787
QY 2461 GCTCTCATCCCAAGAGCAAGTCTGAGGAAGTCTTTTGTGTTTAAACAGAAACATT 2520
DB 2788 GCTCTCATCCCAAGAGCAAGTCTGAGGAAGTCTTTTGTGTTTAAACAGAAACATT 2847
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DB 2848 ACTTTTGAAGTGGACAGATCTTTTCAATGCTTATTGAGGCTGTTGATGAAGTCCGATCTG 2907
QY 2581 AAATCAGAAATATCCAACTTCACAGATCTTTTGTGTTTATTCCTCCACAGACTCCGCCA 2640
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DB 2968 GAGACACCTAGTCTGATGAAGCTGCTCTTGTCTTAAATATTCATATCAACAGCACC 3027
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DB 3028 ATTCTGGCATTCACATTTTAAATAATTATGTGAAGTGGATAGGAACTGCAGCTGTCA 3087
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DB 3088 ATAGCCTAGGCTGAAATTTTGTGATGAATAATAATAATCAATTCATCTT 3139

RESULT 10
US-10-393-590-11
; Sequence 11, Application US/10393590
; Publication No. US20030190656A1
; GENERAL INFORMATION:
; APPLICANT: WANG, YIXIN
; TITLE OF INVENTION: BREAST CANCER PROGNOSTIC PORTFOLIO
; FILE REFERENCE: CDS 268 US NP
; CURRENT APPLICATION NUMBER: US/10/393,590
; CURRENT FILING DATE: 2003-03-21
; PRIOR APPLICATION NUMBER: 60/368,789
; PRIOR FILING DATE: 2002-03-29
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 11
; LENGTH: 3311
; TYPE: DNA
; ORGANISM: human
US-10-393-590-11

Query Match 99.8%; Score 2807.2; DB 15; Length 3311;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 2809; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 GAAATCACAGGAGATGTACAGCAATGGGGCCATTTAAGAGTTCTGTGTTCTATTGATT 60
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QY 61 CTTACCTTCTAGAGGGGCCCTGAGTAATCTCATTCATTCAGCTGAAACAAATGGCTAT 120
DB 388 CTTACCTTCTAGAGGGGCCCTGAGTAATCTCATTCATTCAGCTGAAACAAATGGCTAT 447
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DB 448 GAAGGATTTGCTGTCATCCAGCCCAATGTGCCAGAGATGAACATCTATTCAACAA 507
QY 181 ATAAAGGACATGGTGACCCAGGCATCTCTGTATCTGTTTGAAGCTACAGGAAGCGATT 240
DB 508 ATAAAGGACATGGTGACCCAGGCATCTCTGTATCTGTTTGAAGCTACAGGAAGCGATT 567
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DB 568 TATTTCAAAAATGTTGCCATTTTGTATCTCTGAAACATGGAAGCAAGGCTGATATG 627

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QY 361 GGTATATGATGAACCCCTACACTGAGCAGATGGGCAACTGTGGAGAGAGGGTGAAGGATC 420
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QY 421 CACCTCACCTCTGATTTTCAATTCAGGAAAAAGTTAGCTGAATATATGGACCAAGAAGTAGG 480
DB 748 CACCTCACCTCTGATTTTCAATTCAGGAAAAAGTTAGCTGAATATATGGACCAAGAAGTAGG 807
QY 481 GCATTTGTCATGAGTGGGCTCATCTACGATGGGAGTATTTTACGAGTACAATAATGAT 540
DB 808 GCATTTGTCATGAGTGGGCTCATCTACGATGGGAGTATTTTACGAGTACAATAATGAT 867
QY 541 GAGAAATTTCTACTTATCCAAATGGAAGATACAAAGCAGTAAAGTGTTCAGCAGGTATTACT 600
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QY 601 GGTACAAATGTAGTAAAGAGTGTGAGGAGCAGCTGTTTACACAAAAGATGCACATTC 660
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DB 988 AATAAAGTAAACAGGACTCTATGAAAAAGGATGTGAGTGTTCCTCAATCCCGCCAGACG 1047
QY 721 GAGAAAGGCTTCTATAATGTTTGCACAAACATGTTGATCTTATAGTTGAAATTTCTGTACAGAA 780
DB 1048 GAGAAAGGCTTCTATAATGTTTGCACAAACATGTTGATCTTATAGTTGAAATTTCTGTACAGAA 1107
QY 781 CAAACCCACAAAGAGAGTCCAAACAGCAGCAAAATCAAAAATGCAATCTCCGAGACACA 840
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QY 841 TGGGAAGTGTATCCGTGATTTCTGAGGACTTTTAAAGAAAAACCACTCTATATGACACAGCCCA 900
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QY 901 CCAATCCCACTCTCTCATTTGCTGAGATGTGACAAAGAAATTTGTGTTTGTAGTCTTGAC 960
DB 1228 CCAATCCCACTCTCTCATTTGCTGAGATGTGACAAAGAAATTTGTGTTTGTAGTCTTGAC 1287
QY 961 AATCTGGAAGCATGCGCATGCTGTAACCGCTCAATCGACTGAATCAAGCAGCCAGCTT 1020
DB 1288 AATCTGGAAGCATGCGCATGCTGTAACCGCTCAATCGACTGAATCAAGCAGCCAGCTT 1347
QY 1021 TTCTCTGCTGCAGACAGTTGAGCTGGGGTCTCTGGGTTGGGATGGTGAATTTTGAAGTGTCT 1080
DB 1348 TTCTCTGCTGCAGACAGTTGAGCTGGGGTCTCTGGGTTGGGATGGTGAATTTTGAAGTGTCT 1407
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DB 1408 GCCCATGTACAAAGTGAATCTATACAGATAAACAGTGGCAGTGAAGGAGACACACTCGCC 1467
QY 1141 AAAAGNTTACCTGCAGCAGCTTTCAGAGGAGCTCCATCTGAGCGGGCTTCGATCGGCA 1200
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QY 1261 GGGGAAGACAACTATTAAGTGGGTGCTTTTAAACGAGGTCAAAACAAAGTGGTGCATCATC 1320
DB 1588 GGGGAAGACAACTATTAAGTGGGTGCTTTTAAACGAGGTCAAAACAAAGTGGTGCATCATC 1647
QY 1321 CACACAGTGGCTTTGGGGCCCTCTGAGCTCAAGACTAGAGAGGCTGCCAAAATGACA 1380
DB 1648 CACACAGTGGCTTTGGGGCCCTCTGAGCTCAAGAACTAGAGAGGCTGCCAAAATGACA 1707

1381 GGAGGTTTACAGACATATGCTTTAGATCAAGTTTCAGAAATGGCTCATTCATGCTTTT 1440
1708 GGAGGTTTACAGACATATGCTTTAGATCAAGTTTCAGAAATGGCTCATTCATGCTTTT 1767
1441 GGGGCCCTTTATCAGGAAATGGAGTGTCTCTCAGCGTCCATCAGCTTGAGAGTAAG 1500
1768 GGGGCCCTTTATCAGGAAATGGAGTGTCTCTCAGCGTCCATCAGCTTGAGAGTAAG 1827
1501 GGATTAACCTCCAGAACAGCCAGTGGATGATGATGACAGATGATGTCGACAGCAGCCG 1560
1828 GGATTAACCTCCAGAACAGCCAGTGGATGATGATGACAGATGATGTCGACAGCAGCCG 1887
1561 GGAAGGAGCACCTTTGTTTCTTATCACCCTGGACAAAGCAGCCTCCCAATCTCTCTGG 1620
1888 GGAAGGAGCACCTTTGTTTCTTATCACCCTGGACAAAGCAGCCTCCCAATCTCTCTGG 1947
1621 GATCCAGTGGACAGAAAGGCTGCTTTGATGAGTGGACAAAGAACACCAAAATGGCTTAC 1680
1948 GATCCAGTGGACAGAAAGGCTGCTTTGATGAGTGGACAAAGAACACCAAAATGGCTTAC 2007
1681 CTCCAATCCAGGCAATGCTAAGGTTGGCACTTGGAAATACAGTCTGCAAGCAGCTCA 1740
2008 CTCCAATCCAGGCAATGCTAAGGTTGGCACTTGGAAATACAGTCTGCAAGCAGCTCA 2067
1741 CAAACCTTGACCTGACTGTACAGTCCCGTGGCTCAATGCTACCTGCTCCAAATTACA 1800
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2401 AGTACAGTATTTCTGATCTCAGAGCAGTTCATGATCTCTTCAAGTGAATACTACT 2460
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2461 GCTCTCATCCCAAGGAAGCAACTCTGAGGAAGTCTTTTGTGTTAAACAGAAACATTT 2520

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2968 GAGACACTAGTCTCTGATGAAAGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 3027
2701 ATTCCTGGCATTCACATTTTAAATATGTTGGAAGTGGATAGGAACTGACAGCTGTCA 2760
3028 ATTCCTGGCATTCACATTTTAAATATGTTGGAAGTGGATAGGAACTGACAGCTGTCA 3087
2761 ATAGCTTAGGGCTGAATTTTGTGATGATAAATAAATAAATCAATTCATCTCTT 2812
3088 ATAGCTTAGGGCTGAATTTTGTGATGATAAATAAATAAATAAATCAATTCATCTCTT 3139

RESULT 11
US-10-393-590-12
; Sequence 12, Application US/10393590
; Publication No. US20030190656A1
; GENERAL INFORMATION:
; APPLICANT: WANG, YIXIN
; TITLE OF INVENTION: BREAST CANCER PROGNASTIC PORTFOLIO
; FILE REFERENCE: CDS 268 US NP
; CURRENT APPLICATION NUMBER: US/10/393,590
; CURRENT FILING DATE: 2003-03-21
; PRIOR APPLICATION NUMBER: 60/368,789
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 12
; LENGTH: 3311
; TYPE: DNA
; ORGANISM: human
US-10-393-590-12

Query Match 99.8%; Score 2807.2; DB 15; Length 3311;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 2809; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 GAAATCACAGGAGAGATGTACAGCAATGGGGCCATTTAAGAGTTCTGTGTTCACTTTGATT 60
DB 328 GGAATCACAGGAGAGATGTACAGCAATGGGGCCATTTAAGAGTTCTGTGTTCACTTTGATT 387
QY 61 CTTCACTTCTAGAAAGGGCCCTGAGTAATTCATCTCATTCAGCTGAAACAAATGGCTAT 120
DB 388 CTTCACTTCTAGAAAGGGCCCTGAGTAATTCATCTCATTCAGCTGAAACAAATGGCTAT 447
QY 121 GAAGCATTTGCTTGGCAATCGACCCCAATGTCGAGAGATGAAACACTCATTCACAA 180
DB 448 GAAGCATTTGCTTGGCAATCGACCCCAATGTCGAGAGATGAAACACTCATTCACAA 507
QY 181 ATAAAGGACATGGTGACCCAGGCATCTCTGATCTGTTTGAAGCTACAGGAAGCGATT 240
DB 508 ATAAAGGACATGGTGACCCAGGCATCTCTGATCTGTTTGAAGCTACAGGAAGCGATT 567
QY 241 TATTTCAAAATATGTTGCCATTTTGAATTCCTGAAACATGGAAGACAAAGCTGACTATG 300
DB 568 TATTTCAAAATATGTTGCCATTTTGAATTCCTGAAACATGGAAGACAAAGCTGACTATG 627
QY 301 AGACCAAACTTGAGCCCTACAAAATCTGATGTTTGTGTTGCTGAGTCTACTCTCTCA 360
DB 628 AGACCAAACTTGAGCCCTACAAAATCTGATGTTTGTGTTGCTGAGTCTACTCTCTCA 687
QY 361 GGTATGATGAACCTTACACTGAGCAGATGGGCAACTGTGGAGAGAGAGGTTGAAAGATC 420

Db 688 |||||GTAATGATGAACCCCTACACTGAGCAGATGGGCAACTGTGGAGAGAGGGGTGAAGGATC 747
Qy 421 CACCTCAGCTCCTGATTTCTTTCAGGAAAAAGTTAGCTGAATATGGACCACAAGGTAGG 480
Db 748 CACCTCAGCTCCTGATTTCTTTCAGGAAAAAGTTAGCTGAATATGGACCACAAGGTAG 807
Qy 481 GCAATTTGTCATGAGTGGGCTCATCTACATGGGGAGATTTTGAAGGATACAAATATGAT 540
Db 808 GCAATTTGTCATGAGTGGGCTCATCTACATGGGGAGATTTTGAAGGATACAAATATGAT 867
Qy 541 GAGAAATTTCTATCTTACCAATGGGAAGATACAGAGAGTGAAGTGTTCAGCAGTATTACT 600
Db 868 GAGAAATTTCTATCTTACCAATGGGAAGATACAGAGAGTGAAGTGTTCAGCAGTATTACT 927
Qy 601 GGTACAAATGTATGAAGAGTGTTCAGGAGGAGCTGTGTACACCAAAAGATGCAATTC 660
Db 928 GGTACAAATGTATGAAGAGTGTTCAGGAGGAGCTGTGTACACCAAAAGATGCAATTC 987
Qy 661 AATAAGTAAAGGACTCTATGAAGAAGATGTAGTTTGTCTCAATCCCGCCAGAG 720
Db 988 AATAAGTAAAGGACTCTATGAAGAAGATGTAGTTTGTCTCAATCCCGCCAGAG 1047
Qy 721 GAGAGGCTTCTATATGTTTGCACAAACATGTTGATTTCTATAGTTGAATTTCTGTACAGAA 780
Db 1048 GAGAGGCTTCTATATGTTTGCACAAACATGTTGATTTCTATAGTTGAATTTCTGTACAGAA 1107
Qy 781 CAAAACCAACAAGAAGCTCCAAACAAGCAAAATCAAAAATGCAATCTCCGAAGCACA 840
Db 1108 CAAAACCAACAAGAAGCTCCAAACAAGCAAAATCAAAAATGCAATCTCCGAAGCACA 1167
Qy 841 TCGGAAGTATCCGTGATTTCTGAGGACTTTAAGAAAACCACTCTATGACACACAGCCA 900
Db 1168 TCGGAAGTATCCGTGATTTCTGAGGACTTTAAGAAAACCACTCTATGACACACAGCCA 1227
Qy 901 CCAATCCCACTTCTCATTTGTCAGATTTGACAAAGAAATTTGTGTGTTAGTCTTGAC 960
Db 1228 CCAATCCCACTTCTCATTTGTCAGATTTGACAAAGAAATTTGTGTGTTAGTCTTGAC 1287
Qy 961 AATCTGGAAGCATGCGACTGTATAACCGCTCAATCGACTGAATCAAGCAGCCAGCTT 1020
Db 1288 AATCTGGAAGCATGCGACTGTATAACCGCTCAATCGACTGAATCAAGCAGCCAGCTT 1347
Qy 1021 TTCTCTGTCAGACAGTTGAGCTGGGCTCTGGGTTGGGATGGTGACATTTGACAGTGCT 1080
Db 1348 TTCTCTGTCAGACAGTTGAGCTGGGCTCTGGGTTGGGATGGTGACATTTGACAGTGCT 1407
Qy 1081 GCCCATGTACAAAGTGAATCTATACAGATAAAGTGGGAGTGAACAGGAGACACATCTGCC 1140
Db 1408 GCCCATGTACAAAGTGAATCTATACAGATAAAGTGGGAGTGAACAGGAGACACATCTGCC 1467
Qy 1141 AAAAGATTACCTGCAGCAGCTTCAGGAGGAGCTCCATCTGCAGCGGGCTTCGATCGGCA 1200
Db 1468 AAAAGATTACCTGCAGCAGCTTCAGGAGGAGCTCCATCTGCAGCGGGCTTCGATCGGCA 1527
Qy 1201 TTTTACTGTGATTTAGGAAGAAATATCAACTGTATGATCTCAAAATTTGCTGTGACGGAT 1260
Db 1528 TTTTACTGTGATTTAGGAAGAAATATCAACTGTATGATCTCAAAATTTGCTGTGACGGAT 1587
Qy 1261 GGGGAAGACAAACATATAAGTGGTCTTTTACAGAGTCAAAAGTGGTGGCCATCATC 1320
Db 1588 GGGGAAGACAAACATATAAGTGGTCTTTTACAGAGTCAAAAGTGGTGGCCATCATC 1647
Qy 1321 CACAGCTCGCTTTGGGCGCTTCGAGCTCAAGACTAGAGAGCTGTCCAAATGACA 1380
Db 1648 CACAGCTCGCTTTGGGCGCTTCGAGCTCAAGACTAGAGAGCTGTCCAAATGACA 1707
Qy 1381 GGAGGTTTACAGACATATGCTTCAGATCAAGTTTCAAGAAATGGGCTCATTTGATGCTTTT 1440
Db 1708 GGAGGTTTACAGACATATGCTTCAGATCAAGTTTCAAGAAATGGGCTCATTTGATGCTTTT 1767
Qy 1441 GGGGCGCTTTCATCAGGAAATGGAGTGTCTCTCAGCGCTCCATCCAGCTTGAGAGTAAG 1500
|||||

Db 1768 GGGGCGCTTTCATCAGGAAATGGAGTGTCTCTCAGCGCTCCATCCAGCTTGAGAGTAAG 1827
Qy 1501 GGATTAACCCCTCCAGAACAGCCAGTGGATGAATGGCACAGTGTATCGTGACAGCACCGTG 1560
Db 1828 GGATTAACCCCTCCAGAACAGCCAGTGGATGAATGGCACAGTGTATCGTGACAGCACCGTG 1887
Qy 1561 GGAAGGACACATTTGTTTCTTATCACCTTGGAACAAAGCAGCCTCCCAAAATCTTCTCTGG 1620
Db 1888 GGAAGGACACATTTGTTTCTTATCACCTTGGAACAAAGCAGCCTCCCAAAATCTTCTCTGG 1947
Qy 1621 GATCCAGTGGACAGAAAGGTGGCTTTGTAGTGGACAAAAACACCAAAATGGGCTTAC 1680
Db 1948 GATCCAGTGGACAGAAAGGTGGCTTTGTAGTGGACAAAAACACCAAAATGGGCTTAC 2007
Qy 1681 CTCCAAATCCCAAGGCAATTTGCTAAGTTGGCACTTTGAAAAATACAGTCTGCAAGCAAGCTCA 1740
Db 2008 CTCCAAATCCCAAGGCAATTTGCTAAGTTGGCACTTTGAAAAATACAGTCTGCAAGCAAGCTCA 2067
Qy 1741 CAAAACCTTGACCTGACTGTGTCAAGTCCCGTGGTCCAAATGCTACCTGCTCCAATTACA 1800
Db 2068 CAAAACCTTGACCTGACTGTGTCAAGTCCCGTGGTCCAAATGCTACCTGCTCCAATTACA 2127
Qy 1801 GTGACTTCCAAAAACGAACAAAGGACACCAAGCAAAATTTCCCGAGCCCTCTGTGTATGCA 1860
Db 2128 GTGACTTCCAAAAACGAACAAAGGACACCAAGCAAAATTTCCCGAGCCCTCTGTGTATGCA 2187
Qy 1861 AATATTGCGCAAGGAGCCCTCCCAATTTCTCAGGGCCAGTGTGCACAGCCCTGATTTGAATCA 1920
Db 2188 AATATTGCGCAAGGAGCCCTCCCAATTTCTCAGGGCCAGTGTGCACAGCCCTGATTTGAATCA 2247
Qy 1921 GTGAATGGAAAAACAGTTTACCTTTGGAACCTACTGGAATATGAGAGAGGTCTGATGTACT 1980
Db 2248 GTGAATGGAAAAACAGTTTACCTTTGGAACCTACTGGAATATGAGAGAGGTCTGATGTACT 2307
Qy 1981 AAGGATGAGGTTCTACTCAAGGTATTTCAAACTTATGACACGAATGGTAGATACAGT 2040
Db 2308 AAGGATGAGGTTCTACTCAAGGTATTTCAAACTTATGACACGAATGGTAGATACAGT 2367
Qy 2041 GTAAAAGTGGCGGCTCTGGGAGGAGTTAACGAGCCAGAGAGTGTATCCCCAGCAG 2100
Db 2368 GTAAAAGTGGCGGCTCTGGGAGGAGTTAACGAGCCAGAGAGTGTATCCCCAGCAG 2427
Qy 2101 AGTGAAGCATCTGATACATACCTGGTGGATTTGAGAAATGATGAAATCAATGGAAATCCACCA 2160
Db 2428 AGTGAAGCATCTGATACATACCTGGTGGATTTGAGAAATGATGAAATCAATGGAAATCCACCA 2487
Qy 2161 AGACCTGAAATTAATAAGGATGATGTTCAACACAGCAAGTGTGTTTACGACAGAACTCC 2220
Db 2488 AGACCTGAAATTAATAAGGATGATGTTCAACCAAGCAAGTGTGTTTACGACAGAACTCC 2547
Qy 2221 TCGGGAGGCTCATTTGTGGCTTTCTGATGTCCCAAAATGCTCCCATCTGATCTCTTCCCA 2280
Db 2548 TCGGGAGGCTCATTTGTGGCTTTCTGATGTCCCAAAATGCTCCCATCTGATCTCTTCCCA 2607
Qy 2281 CTGCGCCAAATCACCGACCTGAAGCGGAAATTTACGGGGGAGTCTCAATTAATCTGACT 2340
Db 2608 CTGCGCCAAATCACCGACCTGAAGCGGAAATTTACGGGGGAGTCTCAATTAATCTGACT 2667
Qy 2341 TGAACAGCTCTCGGGAGTATTAAGCATGAAAGCTGACAGTATATCATTCGAATA 2400
Db 2668 TGAACAGCTCTCGGGAGTATTAAGCATGAAAGCTGACAGTATATCATTCGAATA 2727
Qy 2401 AGTACAAGTATTTCTTGATCTCAGACAGAAAGTTCAATGAATCTCTTCAAGTGAATCTACT 2460
Db 2728 AGTACAAGTATTTCTTGATCTCAGACAGAAAGTTCAATGAATCTCTTCAAGTGAATCTACT 2787
Qy 2461 GCTCTCATCCCAAGGAGCCAACTCTGAGGAAGTCTTTTTTGTGTTTAAACCAGAAAAAT 2520
Db 2788 GCTCTCATCCCAAGGAGCCAACTCTGAGGAAGTCTTTTTTGTGTTTAAACCAGAAAAAT 2847
Qy 2521 ACTTTTGAATAATGGCAGAGATCTTTTTCATGCTATTCAGGCTGTGATTAAGGTGCTG 2580
Db 2848 ACTTTTGAATAATGGCAGAGATCTTTTTCATGCTATTCAGGCTGTGATTAAGGTGCTG 2907
|||||

QY 2581 AAATCAGAAATATCAACATTCACAGATATCTTGTGTTTATTCCTCCACAGACTCCGCCA 2640
DB 2908 AAATCAGAAATATCAACATTCACAGATATCTTGTGTTTATTCCTCCACAGACTCCGCCA 2967
QY 2641 GAGACACCTAGTCTGTGATGAACAGTCTGCTCTTGTCTTAATATTCATATCAACAGCACC 2700
DB 2968 GAGACACCTAGTCTGTGATGAACAGTCTGCTCTTGTCTTAATATTCATATCAACAGCACC 3027
QY 2701 ATTCTGCGATTCACATTTTAAATATATGTGGAAGTGTGATAGGAGAACTGCGACTGTCA 2760
DB 3028 ATTCTGCGATTCACATTTTAAATATATGTGGAAGTGTGATAGGAGAACTGCGACTGTCA 3087
QY 2761 ATAGCTAGGCTGAATTTTGTGATGAATAAATAAATCAATCATCTT 2812
DB 3088 ATAGCTAGGCTGAATTTTGTGATGAATAAATAAATCAATCATCTT 3139

RESULT 12
US-10-393-590-46
; Sequence 46, Application US/10393590
; Publication No. US20030190656A1
; GENERAL INFORMATION:
; APPLICANT: WANG, YIXIN
; TITLE OF INVENTION: BREAST CANCER PROGNASTIC PORTFOLIO
; FILE REFERENCE: CDS 268 US NP
; CURRENT APPLICATION NUMBER: US/10/393,590
; CURRENT FILING DATE: 2003-03-21
; PRIOR APPLICATION NUMBER: 60/368,789
; PRIOR FILING DATE: 2002-03-29
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 46
; LENGTH: 3311
; TYPE: DNA
; ORGANISM: human
US-10-393-590-46

Query Match 99.8%; Score 2807.2; DB 15; Length 3311;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 2809; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 GAAATCAGAGGAGATGTACAGCAATGGGGCCATTTAAGAGTTCTGTGTTCACTTTGATT 60
DB 328 GGAATCAGAGGAGATGTACAGCAATGGGGCCATTTAAGAGTTCTGTGTTCACTTTGATT 387
QY 61 CTTACCTTCTAGAGGGGCCCTGTAGTAATTCATCTCATTTAGCTGAAACAAATGGCTAT 120
DB 388 CTTACCTTCTAGAGGGGCCCTGTAGTAATTCATCTCATTTAGCTGAAACAAATGGCTAT 447
QY 121 GAAGGCATTTGCTGCAATCGACCCCAATGTCAGAGATGAAACACTCATTCACAA 180
DB 448 GAAGGCATTTGCTGCAATCGACCCCAATGTCAGAGATGAAACACTCATTCACAA 507
QY 181 ATAAAGACATGGTGACCCAGGCATCTCTGTATCTGTTTGAAGCTACAGGAAGCGATT 240
DB 508 ATAAAGACATGGTGACCCAGGCATCTCTGTATCTGTTTGAAGCTACAGGAAGCGATT 567
QY 241 TATTTCAAAATGTTGGCCATTTTGTATCTCTGAAACATGGAAGACAAAGCTGATGTG 300
DB 568 TATTTCAAAATGTTGGCCATTTTGTATCTCTGAAACATGGAAGACAAAGCTGATGTG 627
QY 301 AGACCAAACTTGAGACCTTACAAAATGCTGATGTTCTGTTGCTGAGTCTACTCTCA 360
DB 628 AGACCAAACTTGAGACCTTACAAAATGCTGATGTTCTGTTGCTGAGTCTACTCTCA 687
QY 361 GGTATATGAACCTTACACTGAGCAGATGGGCAACTGTGGAGAGAAGGTTGAAGGATC 420
DB 688 GGTATATGAACCTTACACTGAGCAGATGGGCAACTGTGGAGAGAAGGTTGAAGGATC 747
QY 421 CACCTCACTCTGTATTTCAATTCAGGAAAAAAGTTAGCTGAATATGGACCAAGGATAG 480
DB 748 CACCTCACTCTGTATTTCAATTCAGGAAAAAAGTTAGCTGAATATGGACCAAGGATAG 807

QY 481 GCATTTGTCCATGAGTGGGCTCATCTACGATGGGAGTATTTGACGAGTACAAATATGAT 540
DB 808 GCATTTGTCCATGAGTGGGCTCATCTACGATGGGAGTATTTGACGAGTACAAATATGAT 867
QY 541 GAGAAATTTCTATTATCCAATGGAAGAAATACAAGCAGTAAGATGTTTCAGCAGGTATTACT 600
DB 868 GAGAAATTTCTATTATCCAATGGAAGAAATACAAGCAGTAAGATGTTTCAGCAGGTATTACT 927
QY 601 GGTACAAATGTAGTAAAGAGTGTCCAGGAGGCGAGCTGTACACCAAAAGATGCAATTC 560
DB 928 GGTACAAATGTAGTAAAGAGTGTCCAGGAGGCGAGCTGTACACCAAAAGATGCAATTC 987
QY 661 AATAAGTAAACAGGACTCTATGAAAAAGCATGTGAGTTTGTCTTCTCAATCCCGCCAGAG 720
DB 988 AATAAGTAAACAGGACTCTATGAAAAAGCATGTGAGTTTGTCTTCTCAATCCCGCCAGAG 1047
QY 721 GAGAAGGCTTCTATAATGTTTGCACAACATGTTGATCTATAGTTGAAATTTCTGTACAGAA 780
DB 1048 GAGAAGGCTTCTATAATGTTTGCACAACATGTTGATCTATAGTTGAAATTTCTGTACAGAA 1107
QY 781 CAAAACCAACAAGAGAGCTCCAAAACAGCAAAATCAAAAATGCAATCTCCGAAGCACA 840
DB 1108 CAAAACCAACAAGAGAGCTCCAAAACAGCAAAATCAAAAATGCAATCTCCGAAGCACA 1167
QY 841 TGGGAAGTGATCCGTTGATTCTGAGGACTTTAAGAAAAACCACTCTTATGACAACACAGCCA 900
DB 1168 TGGGAAGTGATCCGTTGATTCTGAGGACTTTAAGAAAAACCACTCTTATGACAACACAGCCA 1227
QY 901 CCAATCCCACTTCTCAATGCTGAGATGGAACAAAGAAATGTTGTTAGTCTCTTGAC 960
DB 1228 CCAATCCCACTTCTCAATGCTGAGATGGAACAAAGAAATGTTGTTAGTCTCTTGAC 1287
QY 961 AAATCTGAAGCATGGCGACTGGTAAACCGCTCAATCGACTGAATCAAGCAGCGCCAGCTT 1020
DB 1288 AAATCTGAAGCATGGCGACTGGTAAACCGCTCAATCGACTGAATCAAGCAGCGCCAGCTT 1347
QY 1021 TTCTCTGTGCAGACAGTTGAGCTGGGGTCTGGGTTGGATGGTGACATTTGACAGTGTCT 1080
DB 1348 TTCTCTGTGCAGACAGTTGAGCTGGGGTCTGGGTTGGATGGTGACATTTGACAGTGTCT 1407
QY 1081 GCCCATGTACAAAGTGAACTCATACAGATAAACAGTGGCAGTGACAGGAGACACTCGCC 1140
DB 1408 GCCCATGTACAAAGTGAACTCATACAGATAAACAGTGGCAGTGACAGGAGACACTCGCC 1467
QY 1141 AAAGATTTACCTGCAGCAGCTTCAGGAGGAGCTCCATCTGCAGCGGGCTTCGATCGGCA 1200
DB 1468 AAAGATTTACCTGCAGCAGCTTCAGGAGGAGCTCCATCTGCAGCGGGCTTCGATCGGCA 1527
QY 1201 TTTACTGTGATTAGGAAGAAATATCCAATCTGATGATCTGAAATTTGCTGCTGACGGAT 1260
DB 1528 TTTACTGTGATTAGGAAGAAATATCCAATCTGATGATCTGAAATTTGCTGCTGACGGAT 1587
QY 1261 GGGGAAGACAACTATTAAGTGGGTGCTTTAACGAGGTCAAAACAAAGTGGTGGCCATCATC 1320
DB 1588 GGGGAAGACAACTATTAAGTGGGTGCTTTAACGAGGTCAAAACAAAGTGGTGGCCATCATC 1647
QY 1321 CACACAGTGTCTTTGGGCCCCCTCTGCAGCTCAGAACTAGAGGAGCTGTCCAAAATGACA 1380
DB 1648 CACACAGTGTCTTTGGGCCCCCTCTGCAGCTCAGAACTAGAGGAGCTGTCCAAAATGACA 1707
QY 1381 GGAGTTTACAGACATATGCTTTAGATCAAGTTCAAGAAATGGCCTCATTCATGATCTTTT 1440
DB 1708 GGAGTTTACAGACATATGCTTTAGATCAAGTTCAAGAAATGGCCTCATTCATGATCTTTT 1767
QY 1441 GGGGCCCTTTTCATCAGGAAATGGAGCTGTCTCTCAGCGCTCCATCCAGCTTGGAGAGTAAG 1500
DB 1768 GGGGCCCTTTTCATCAGGAAATGGAGCTGTCTCTCAGCGCTCCATCCAGCTTGGAGAGTAAG 1827
QY 1501 GGATTAACCTTCCAGAACAGCCAGTGGATGAATGGCAGTGTATGCTGGACAGCACCGTG 1560
DB 1828 GGATTAACCTTCCAGAACAGCCAGTGGATGAATGGCAGTGTATGCTGGACAGCACCGTG 1887

868 GAGAAATTTCTATTATCCAAATGGAAGATTAACAGCAGTAAGATGTTTCAGCAGGTATTACT 927
601 GGTACAAATGTAGTAAGAAGTGTGAGGAGCAGCTGTATACCAAAAAGATGACATTC 660
928 GGTACAAATGTAGTAAGAAGTGTGAGGAGCAGCTGTATACCAAAAAGATGACATTC 987
661 AATAAGTAACAGGACTCTATGAAAAGGATGTAGTTGTTCTCAATCCCGCCAGAG 720
988 AATAAGTTACAGGACTCTATGAAAAGGATGTAGTTGTTCTCAATCCCGCCAGAG 1047
721 GAGAAAGCTTCTATATGTTTGCACAAATGTTGATTTCTATAGTTGAAATTTCTGTACAGAA 780
1048 GAGAAAGCTTCTATATGTTTGCACAAATGTTGATTTCTATAGTTGAAATTTCTGTACAGAA 1107
781 CAAAACCAACAAAGAGCTCAACAAAGCAAAATCAAAAATGCAATCTCCGAAGCACA 840
1108 CAAAACCAACAAAGAGCTCAACAAAGCAAAATCAAAAATGCAATCTCCGAAGCACA 1167
841 TGGGAAGTGATCCGTGATTTCTGAGGACTTTAAGAAAACCACTCTATGACAAACAGCACA 900
1168 TGGGAAGTGATCCGTGATTTCTGAGGACTTTAAGAAAACCACTCTATGACAAACAGCACA 1227
901 CCAAAATCCACCTTCTCATTTGTCAGATTTGCAAAAGAAATTTGTGTTTGTAGTCTTGAC 960
1228 CCAAAATCCACCTTCTCATTTGTCAGATTTGCAAAAGAAATTTGTGTTTGTAGTCTTGAC 1287
961 AAATCTGGAAGCATGGCGACTGGTAACCGCCTCAATCGACTGAATCAAGCAGCGCAGCTT 1020
1288 AAATCTGGAAGCATGGCGACTGGTAACCGCCTCAATCGACTGAATCAAGCAGCGCAGCTT 1347
1021 TTCTCTGTCGACAGCTGAGCTGGGCTCTGGGTTGGGATGGTGAATTTGACAGTGTCT 1080
1348 TTCTCTGTCGACAGCTGAGCTGGGCTCTGGGTTGGGATGGTGAATTTGACAGTGTCT 1407
1081 GCCCATGTACAAAGTGAACTCATACAGATAAAGTGGCAGTGACAGGACACACTCGCC 1140
1408 GCCCATGTACAAAGTGAACTCATACAGATAAAGTGGCAGTGACAGGACACACTCGCC 1467
1141 AAAAGATTACCTGACAGCTTCAGAGGAGCTCCATCTGACGGGGCTTCGATCGGCA 1200
1468 AAAAGATTACCTGACAGCTTCAGAGGAGCTCCATCTGACGGGGCTTCGATCGGCA 1527
1201 TTCTCTGATTTAGGAAGAAATATCAACTGATGGATCTGAAATTTGCTGCTGACGGAT 1260
1528 TTCTCTGATTTAGGAAGAAATATCAACTGATGGATCTGAAATTTGCTGCTGACGGAT 1587
1261 GGGGAAGACAACTATATAAGTGGGCTTTAAGAGGCTCAAAAGTGGTGGCTCATCTATC 1320
1588 GGGGAAGACAACTATATAAGTGGGCTTTAAGAGGCTCAAAAGTGGTGGCTCATCTATC 1647
1321 CACACAGTCGCTTTGGGGCCCTCTGACGCTCAAGAACTAGAGAGCTGTCCAAAATGACA 1380
1648 CACACAGTCGCTTTGGGGCCCTCTGACGCTCAAGAACTAGAGAGCTGTCCAAAATGACA 1707
1381 GGAGGTTTACACATATGCTTCAGATCAAGTTCAAGTTCAGAAATGAGGCTCATTTGCTTTT 1440
1708 GGAGGTTTACACATATGCTTCAGATCAAGTTCAAGTTCAGAAATGAGGCTCATTTGCTTTT 1767
1441 GGGGGCTTTTCATCAGGAATGAGGCTGTCTCTCAGCGCTCCATCAGCTTCAGAGTAAG 1500
1768 GGGGGCTTTTCATCAGGAATGAGGCTGTCTCTCAGCGCTCCATCAGCTTCAGAGTAAG 1827
1501 GGATTAACCTTCAGAAACGAGCTGGATGAATGGCAGAGTGAATGGTGAACGAGCAGCTG 1560
1828 GGATTAACCTTCAGAAACGAGCTGGATGAATGGCAGAGTGAATGGTGAACGAGCAGCTG 1887
1561 GGAAAGGACATTTGTTTCTTATCACTGGACAAAGCAGCTCCCAATCTCTCTGG 1620
1888 GGAAAGGACATTTGTTTCTTATCACTGGACAAAGCAGCTCCCAATCTCTCTGG 1947
1621 GATCCAGTGGACAGAAAGAGTGGCTTTGTAGTGGACAAAAACCAAAAATGGCCTAC 1680

1948 GATCCAGTGGACAGAAAGGTGGCTTTGTAGTGGACAAAAACCAAAAATGGCCTAC 2007
1681 CTCAAAATCCCAAGGCAATTTGTAAGTTGSCACTTTCGAAATACAGTCTGCAACAAGCTCA 1740
2008 CTCAAAATCCCAAGGCAATTTGTAAGTTGSCACTTTCGAAATACAGTCTGCAACAAGCTCA 2067
1741 CAAAATTTGACCCCTGACTGTCAAGTCCCGTGGTCCCAATGCTACCTGCTCCCAATTA 1800
2068 CAAAATTTGACCCCTGACTGTCAAGTCCCGTGGTCCCAATGCTACCTGCTCCCAATTA 2127
1801 GTGACTTCCAAAACGAAACAGGACACCAAGCAAAATTTCCAGCCCTCTGCTGATTTATGA 1860
2128 GTGACTTCCAAAACGAAACAGGACACCAAGCAAAATTTCCAGCCCTCTGCTGATTTATGA 2187
1861 AATATTTCCGCAAGGAGCTCCCAATTTCTGAGGCGAGTGTACAGCCCTGATTTGAATCA 1920
2188 AATATTTCCGCAAGGAGCTCCCAATTTCTGAGGCGAGTGTACAGCCCTGATTTGAATCA 2247
1921 GTGAATGGAATAACAGTTTACCTTTGGAACTACTTGGATTAATGAGCAGAGTGTGATCT 1980
2248 GTGAATGGAATAACAGTTTACCTTTGGAACTACTTGGATTAATGAGCAGAGTGTGATCT 2307
1981 AAGGATGACGGTGTCTACTCAAGGTTATTTCAAACTTATGACACGAAATGGTATAGAT 2040
2308 AAGGATGACGGTGTCTACTCAAGGTTATTTCAAACTTATGACACGAAATGGTATAGAT 2367
2041 GTAAAAGTGGGGCTCTGGGAGGAGTTAACGAGCAGCAGGAGAGTGTATCCCGAGAG 2100
2368 GTAAAAGTGGGGCTCTGGGAGGAGTTAACGAGCAGCAGGAGAGTGTATCCCGAGAG 2427
2101 AGTGAGCAGCTGTACATACCTTGGCTGGATTTGAGATGATGAATCAATGGAATCCACCA 2160
2428 AGTGAGCAGCTGTACATACCTTGGCTGGATTTGAGATGATGAATCAATGGAATCCACCA 2487
2161 AGACTGAAAATTAATAAGGATGATTTCAACAAGCAAGTGTGTTTCAGCAGAAACATCC 2220
2488 AGACTGAAAATTAATAAGGATGATTTCAACAAGCAAGTGTGTTTCAGCAGAAACATCC 2547
2221 TGGGAGGCTCATTTTGTGGCTTCTGATGTCCTCAATGCTCCCATACCTGATCTTTCCCA 2280
2548 TGGGAGGCTCATTTTGTGGCTTCTGATGTCCTCAATGCTCCCATACCTGATCTTTCCCA 2607
2281 CTTGCGCCAAATCACCAGCTGAAAGCGGAAATTTACGCGGGCAGTCTCATTAATCTGACT 2340
2608 CTTGCGCCAAATCACCAGCTGAAAGCGGAAATTTACGCGGGCAGTCTCATTAATCTGACT 2667
2341 TGGACAGCTCTCGGGGATGATTTATGACCATGGAACAGCTCACAAGTATATCATTCGAAATA 2400
2668 TGGACAGCTCTCGGGGATGATTTATGACCATGGAACAGCTCACAAGTATATCATTCGAAATA 2727
2401 AGTACAGTATTTCTTGATCTCAGAGACAAAGTTCAATGAATCTCTTCAAGTGAATACTACT 2460
2728 AGTACAGTATTTCTTGATCTCAGAGACAAAGTTCAATGAATCTCTTCAAGTGAATACTACT 2787
2461 GCTCTCATCCAAAGGAAGCAACTCTGAGGAAGTCTTTTGTGTTTAAACGAGAAACATTT 2520
2788 GCTCTCATCCAAAGGAAGCAACTCTGAGGAAGTCTTTTGTGTTTAAACGAGAAACATTT 2847
2521 ACTTTTGAATAATGGCAGAGATCTTTTCAITGCTATTCAGGCTGTTGATAAGGTCGATCTG 2580
2848 ACTTTTGAATAATGGCAGAGATCTTTTCAITGCTATTCAGGCTGTTGATAAGGTCGATCTG 2907
2581 AAATCAGAAATATCAACATTTGCAGCAGTATCTTTGTTTATTTCTCCACAGACTCCGCCA 2640
2908 AAATCAGAAATATCAACATTTGCAGCAGTATCTTTGTTTATTTCTCCACAGACTCCGCCA 2967
2641 GAGACACCTAGTCTCTGATGAAACAGTCTGCTCTCTGCTCTCTCTCTCTCTCTCTCTCTCT 2700
2968 GAGACACCTAGTCTCTGATGAAACAGTCTGCTCTCTGCTCTCTCTCTCTCTCTCTCTCTCT 3027
2701 ATTCTCGCATTCACATTTTAAAAATTTATGTGGAAAGTGGATAGGAGAACTGAGCTGTCA 2760
3028 ATTCTCGCATTCACATTTTAAAAATTTATGTGGAAAGTGGATAGGAGAACTGAGCTGTCA 3087

[illegible]

Db 1048 GAGAGGCTTCATATAATGTTTGACAAACATGTTGATTTCTATAGTTGAAATTCGTGTACAGAA 1107
QY 781 CAAAACCAACAAGAGCTCCAAACAAGCAAAATCAAAAATGCAATCTCCGAAGCACA 840
Db 1108 CAAAACCAACAAGAGCTCCAAACAAGCAAAATCAAAAATGCAATCTCCGAAGCACA 1167
QY 841 TGGGAAGTGAATCGGTGATTCGAGATCTTAAGAAAAACCACTCTATGACACACAGCCA 900
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Job time : 1508.4 secs

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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: April 24, 2004, 00:33:00 ; Search time 258.572 Seconds

(without alignments)
6037.311 Million cell updates/sec

Title: US-09-049-696-18

Perfect score: 2813

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Scoring table: IDENTITY NUC

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Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA.*

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5: /cgn2_6/prodata/2/ina/PTUS COMB.seq.*

6: /cgn2_6/prodata/2/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a

score greater than or equal to the score of the result being printed,

and is derived by analysis of the total score distribution.

SUMMARIES

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1	2807.2	99.8	3007	4	US-09-193-562D-27
2	2743	97.5	2745	4	US-09-623-624-5
3	1743	62.0	2931	4	US-09-623-624-1
4	1512	53.8	1512	4	US-09-016-434-850
5	1308.6	46.5	3043	4	US-09-049-698-16
6	1308.6	46.5	3181	4	US-09-049-698-18
7	900.2	32.0	3317	4	US-09-193-562D-1
8	840.6	29.9	3022	4	US-09-193-562D-33
9	832.6	27.8	3418	4	US-09-193-562D-29
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13	554.6	19.7	2784	4	US-09-643-597-168
14	554.6	19.7	2784	4	US-09-480-884A-168
15	554.6	19.7	2784	4	US-09-542-615A-168
16	554.6	19.7	2784	4	US-09-606-421B-168
17	552.2	19.6	2773	4	US-09-643-597-358
18	552.2	19.6	2970	4	US-09-193-562D-31
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29	531.4	18.9	3156	4	US-09-919-172-86	Sequence 968, Appl
30	441.4	15.7	1081	4	US-09-016-434-928	Sequence 82, Appl
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40	223	7.9	232	4	US-09-016-434-230	Sequence 290, App
41	221.4	7.9	595	3	US-09-385-982-25	Sequence 25, Appl
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43	183.4	6.5	611	3	US-09-385-982-27	Sequence 27, Appl
44	168.6	6.0	742	3	US-09-385-982-33	Sequence 33, Appl
45	148.8	5.3	313	4	US-09-049-698-10	Sequence 10, Appl

ALIGNMENTS

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; Sequence 27, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; FILE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 27
; LENGTH: 3007
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-193-562D-27

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; Sequence 5, Application US/09623624
; Patent No. 6576434
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/09/623,624
; CURRENT FILING DATE: 2000-09-06
; PRIORITY APPLICATION NUMBER: PCT/US99/04703
; PRIORITY FILING DATE: 1999-03-03
; PRIORITY APPLICATION NUMBER: US 08/697,360
; PRIORITY FILING DATE: 1996-08-23
; PRIORITY APPLICATION NUMBER: US 08/697,419
; PRIORITY FILING DATE: 1996-08-23
; PRIORITY APPLICATION NUMBER: US 08/697,440
; PRIORITY FILING DATE: 1996-08-23
; PRIORITY APPLICATION NUMBER: US 08/697,471
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; PRIORITY APPLICATION NUMBER: US 08/697,473
; PRIORITY FILING DATE: 1996-08-23
; PRIORITY APPLICATION NUMBER: US 08/702,105
; PRIORITY FILING DATE: 1996-08-23
; PRIORITY APPLICATION NUMBER: US 08/702,110
; PRIORITY FILING DATE: 1996-08-23
; PRIORITY APPLICATION NUMBER: US 08/702,168
; PRIORITY FILING DATE: 1996-08-23
; PRIORITY APPLICATION NUMBER: US 08/980,872
; PRIORITY FILING DATE: 1997-12-01
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; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1) .. (2742)
US-09-623-624-5

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[illegible]

Query Match	62.0%	Score 1743	DB 4	Length 2931
Best Local Similarity	77.8%	Pred. No. 0		
Matches 2161	Conservative 0	Mismatches 595	Indels 21	Gaps 4
25	ATGGGCGCAATTAAGAGTCTGTGTTCATCTTTCACCTTCTTGAAGGGGCCCTG	84		
8	ATGGAATCTTTGAAGAGTCTGTCTTCTCTTTGATCTCCACCTTCTCGAAGAGTCTG	67		
85	AGTAATTCATCTATCAGCTGAACAACTATGAAGGCTATGATGCTGTTGCAATCGAC	144		
68	AGTGAGTCCCTCATCTCACTGAACAAACAGGCTATGAGGCTATCGCCATAGAC	127		
145	CCCAATGTGCCAAGATGAACACTCATTTCAACAATAAAGGACATGGTGACCCAGGCA	204		
128	CACGACGTGCGGGAAGTGAAGCCCTCATTTCAACACATAAAGGACATGCTGACTCAGGCC	187		
205	TCTCTGTATCTGTTGAAGCTACAGGAAGCGATTTTATTTCAAAAATGTTGCCATTTTG	264		
188	TCTCCATACCTGTTTGAAGCTACAGGAAGATTTTACTTTCAAAAATGTTGCCATTTTG	247		
265	ATTCTCTGAACATGGAAGCAAGGCTGACTATGTGAGACCAAACTTGACACTACAAA	324		
248	ATTCCCGAGCTGGAAGCAAGGCTGAAATATACGAGCCAAAATTTGAACCTTTCAA	307		
325	AATGCTGATGTTCTGTTCTGCTGAGTCTACTCTCCAGGTAAATGATGAACCCCTACACTGAG	384		
308	AACGCTGATGCTTGTATCAACACACAGCCCTCTAGGCAATGATGAGCCCTACACCGAA	367		
385	CAGATGGGCAACTGTGGAGAGAGGTGAAGGATCCACCTCATCTCTGATTTCAATTGCA	444		
368	CATATAGGAGCATGTGGAGAAAGGGGATTCAGGATTCACCTGACTCTCTGACTTTAGCA	427		
445	GGAAAAGATTAGCTGAATATGACACCAAGGTAGGCAATTTGTCATGAGTGGGCTCAT	504		
428	GGAAAAGCTGACTCAGTATGGGCCACAAGACAGGACCTTTGTCATGAGTGGGCTCAC	487		
505	CTACGATGGGAGTATTTGACAGATACAAATATGATGAAATTTCTACTTATCCAAATGGA	564		
488	TTCCGATGGGAGTGTATTAATGAAATCAACACGAGGAGTCTCTATTTCCAAAGGA	547		
565	AGAATCAAGCAGTAAGATGTTTCAGCAGGTATTTACTGTACAAATGTATGTAAGAAGTGT	624		
548	AAACCCCAAGCAGTGAAGTGTTCAGCAGGCAATTAACCGGTAAATAATCAAGTTTCGTGGTGC	607		
625	CAGGAGGAGCTGTTTACACCAA--AGATGCAATTTCAATAAAGTAAAGGACTCTAT	681		
608	CAGGAGGAGCTGTTATCTACTAACCGAAAGTGTGAATCGACAGATTAACCGGACTGTAT	667		
682	GAATAAGGATGTGAGTGTGTTCTTCCAAATCCCGCCAGACGAGAGGCTTCTATATGTTT	741		
668	AAAGACAAATGTGATTTGTAACAGATCCACACAAACGAGAGGCTTCCATCATGTTT	727		
742	GCACAAATGTTGATTTCTATAGTTGAATTTCTGTACAGAACAAACCAACAAAGAAAGCT	801		
728	AAACAAAATATCAATTTCTGTGTTGAAATTTCTGTACAGAAAAAATCACAATCAAGAAGCC	787		
802	CMAACAGCAAAATCAAAAATGCAATCTCCGAGGACATGGAAGTATCCGTGATTTCT	861		
788	CCAAATGACCAAAACCAACGATGCAATCTCCGAGGAGTGTGATGATTAACGAGTCT	847		
862	GAGGACTTTTGAAGAAACCACTCTATGACAAACAGGACCAAAATCCCAACCTTCTCATTTG	921		
848	GAGGACTTCAAGCAAAACCACTCCCATGACAGCCCAAGCCACCTTGCACCCACTTCTACTG	907		
922	CTGCAGATTGGACAAAGAAATTTGTGTTTGTAGTCTTCTTGAATAATCTGGAAGCATGGCGACT	981		

QY 1901 TCACAGCCCTGATGTAATCAGTGAATGGAAGAAACAGATTACCTTGGAACTACTCGATAATG 1960
DB |||||
601 TCACAGCCCTGATGTAATCAGTGAATGGAAGAAACAGATTACCTTGGAACTACTCGATAATG 660
QY 1961 GAGCAGGTGCTGATGCTACTTAAGGATGACGGTCTCTACTCAAGGTATTTACAACTTATG 2020
DB |||||
661 GAGCAGGTGCTGATGCTACTTAAGGATGACGGTCTCTACTCAAGGTATTTACAACTTATG 720
QY 2021 ACACGAATGATAGATACAGTGTAAAAGTGGGGCTCTGGAGAGATTAAAGCGACCCAGAC 2080
DB |||||
721 ACACGAATGATAGATACAGTGTAAAAGTGGGGCTCTGGAGAGATTAAAGCGACCCAGAC 780
QY 2081 GGAGAGTATACCCAGCAGAGTGGAGCACTGTACATACCTGCTGGATTGAGAATGATG 2140
DB |||||
781 GGAGAGTATACCCAGCAGAGTGGAGCACTGTACATACCTGCTGGATTGAGAATGATG 840
QY 2141 AAATACAAATGGAATCCACCAAGACCTGAAATTAATAGGATGATTTCAACACAAGCAAG 2200
DB |||||
841 AAATACAAATGGAATCCACCAAGACCTGAAATTAATAGGATGATTTCAACACAAGCAAG 900
QY 2201 TGTGTTTTCAGCAGAAATCTCCGGAGGCTCATTTGTGGCTTCTGATGCCCAATGCTC 2260
DB |||||
901 TGTGTTTTCAGCAGAAATCTCCGGAGGCTCATTTGTGGCTTCTGATGCCCAATGCTC 960
QY 2261 CCATACCTGATCTCTTCCCACTGGCCAAATCAACGACCTGAAGGCGGAAATTCACGGGG 2320
DB |||||
961 CCATACCTGATCTCTTCCCACTGGCCAAATCAACGACCTGAAGGCGGAAATTCACGGGG 1020
QY 2321 GCAGTCTCATTAATCTGACCTGGACAGCTCTGGGATGATATGACCATGACAGCTC 2380
DB |||||
1021 GCAGTCTCATTAATCTGACCTGGACAGCTCTGGGATGATATGACCATGACAGCTC 1080
QY 2381 ACAAGTATATCAATTCGAATAAGTACAAATCTTCTGATCTCAGACAAAGTTCATGAAT 2440
DB |||||
1081 ACAAGTATATCAATTCGAATAAGTACAAATCTTCTGATCTCAGACAAAGTTCATGAAT 1140
QY 2441 CTCTTCAAGTGAATACCTGCTCTCATCCCAAGGAAGCCAACTCTGAGGAAGTCTTTT 2500
DB |||||
1141 CTCTTCAAGTGAATACCTGCTCTCATCCCAAGGAAGCCAACTCTGAGGAAGTCTTTT 1200
QY 2501 TGTTTAAACAGAAACATTTACTTTTGAATGGCAGACATCTTTTCAATGCTATTCAGG 2560
DB |||||
1201 TGTTTAAACAGAAACATTTACTTTTGAATGGCAGACATCTTTTCAATGCTATTCAGG 1260
QY 2561 CTGTTGATAGGTCGATCTGAAATCAGAAATATCCAACTTGCACGAGTATCTTCTTTA 2620
DB |||||
1261 CTGTTGATAGGTCGATCTGAAATCAGAAATATCCAACTTGCACGAGTATCTTCTTTA 1320
QY 2621 TTCTTCCAGACTCCGCCAGAGACACCTAGTCTCTGATGAAAGCTCTGCTCTTGTCTTA 2680
DB |||||
1321 TTCTTCCAGACTCCGCCAGAGACACCTAGTCTCTGATGAAAGCTCTGCTCTTGTCTTA 1380
QY 2681 ATATTATATCAACAGACATCTCTGGCATTCACATTTTAAATATATGGAAGTGA 2740
DB |||||
1381 ATATTATATCAACAGACATCTCTGGCATTCACATTTTAAATATATGGAAGTGA 1440
QY 2741 TAGGAGAACTGCAAGTGTCAATAGCCTAGGGCTGAATTTTGTGACATAAATAAATA 2800
DB |||||
1441 TAGGAGAACTGCAAGTGTCAATAGCCTAGGGCTGAATTTTGTGACATAAATAAATA 1500
QY 2801 TCATTTCATCCTT 2812
DB |||||
1501 TCATTTCATCCTT 1512

RESULT 5

US-09-049-698-16
; Sequence 16, Application US/09049698
; Patent No. 6368792
; GENERAL INFORMATION:
; APPLICANT: BILLING-MEDEL, PATRICIA A.
; APPLICANT: COHEN, MAURICE

APPLICANT: COLPITTS, TRACEY L.
APPLICANT: FRIEDMAN, PAULA N.
APPLICANT: HAYDEN, MARK
APPLICANT: KLASS, MICHAEL R.
APPLICANT: ROBERTS-RAPP, LISA
APPLICANT: RUSSELL, JOHN C.
APPLICANT: STROUPE, STEPHEN D.
TITLE OF INVENTION: REAGENTS AND METHODS FOR THE
TITLE OF INVENTION: USEFUL FOR DETECTING DISEASES OF THE GASTROINTESTINAL
TITLE OF INVENTION: TRACT
NUMBER OF SEQUENCES: 51
CORRESPONDENCE ADDRESS:
ADDRESSEE: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/049,698
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/828,856
FILING DATE: 31-MAR-1997
ATTORNEY/AGENT INFORMATION:
NAME: Becker, Cheryl L.
REGISTRATION NUMBER: 35,441
REFERENCE/DOCKET NUMBER: 6068.US.P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/935-1729
TELEFAX: 847/938-2623
TELEX:
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 3043 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-049-698-16

Query Match 46.5%; Score 1308.6; DB 4; Length 3043;

Best Local Similarity 69.6%; Pred. No. 0;

Matches 1866; Conservative 0; Mismatches 794; Indels 21; Gaps 6;

QY 21 AGCAATGGGGCCATTTAAGAGTTCTGTGTTCACTTTGATTTTCACTTCTAGAAGGGC 80
DB |||||
10 ACAATGGGGTTATTCAGAGGTTTGTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 69
QY 81 CCTGAGTAATTCACCTCATTACCTGAAACAACTGCTATGAGGCAATTTGCTTGTCAAT 140
DB |||||
70 ---AAATACTTCCTTCATTAACTGAATAATAATGCTTTGAAGATATTTGCTTCTTAT 126
QY 141 CGACCCCAATGTGCAGAGATGAACACTATTCAACAATAAAGGACATGCTGACCCA 200
DB |||||
127 AGATCCTAGTGTGCAGAGATGAATAATAATAAAGGATGAGGATGATGCTGACTAC 186
QY 201 GGCATCTCTGTATCTGTTTGAAGCTACAGGAAGGATTTTATTTCAAAAATGTTGCCAT 260
DB |||||
187 AGCTTCTAGTACCTGTTTGAAGCCACAGAAAAGATTTTTTCAAAAATGATCTAT 246
QY 261 TTTGATTCCTGAAACATGGAAGCAAGGCTGACTATGTGAGACCAAACTTTGAGACCTA 320
DB |||||
247 ATTAATTCCTGAGATTGGAAGGAAATCTCTCAGTACAAAAGGCCAAAACATGAAACCA 306
QY 321 CAAAAATGCTGATGTTCTGTTGCTGAGTCTACTCTCCAGGTATGATGAACCTTACAC 380
DB |||||
307 TAAACATGCTGATGTTATAGTTGCACCACTACACTCCAGGTAGAGATGAACCATACAC 366

Qy		381	TGAGCAGATGGGCAACTGTGGAGAGAAGGTGAAGGATCCA	CCTCACTCTCTGATTTCAT	440
Db		367	CAAGCAGTTTACAGAAATGTGGAGAGAAGCGAATACA	TTTCACTTCACTCCCTGACCTTCT	426
Qy		441	TGCAGGAAAAAGTTAGCTGAATATGACACACAAGAGTAGGCAT	TTTGTCATCAGTGGGC	500
Db		427	ACTTGAIAAAAAAAAACAAATGAATATGACCACACAGGCCAAA	CTGTTTTGTCTCATCAGTGGGC	486
Qy		501	TCATCTACGATGGGAGTATTTGACGAGTAGTACAATAATGAT	TGAGAAATTTCTACTTATCCAA	560
Db		487	TCACCTCCGTTGGGAGTGTTTGATGAGTACAATGAAGATCAG	CCCTTTCACCGTGTCTAA	546
Qy		561	- - - TGGAAAGAATACAACGAGTAAGATGTTTCCAGCAGGTAT	TACTGGTACAAATGTAGTAAA	617
Db		547	GTCAAAAANAATCGAAGCAACNAGGTGTTCCGACGGTATCT	CTCTGGTAGAANAATAGAGTTTA	606
Qy		618	GAAGTGTCAAGGAGGCAGCTGTTTACACCAAAGATGCACAT	TCAAATAAGATAACAGGACT	677
Db		607	TAAGTGTCAAGGAGGCAGCTGTCTTAGTAGCATGCAGAAAT	TGATTTCTTACAACAAAAC	666
Qy		678	CTATGAAAAAGGATGTGAGTTTGTCTCCTCAATCCC	CGCACACGAGNAGGCTTCTATAAT	737
Db		667	GTATGGAANAAGATTGTCAANTTCTTCTGTAAAGTACA	AACAGAAAAGCATCCATAAT	726
Qy		738	GTTTGTCACAACTGTTTCATTCTTAGTTGAATTTCTGTAC	AGAAACAAAACACAAAGA	797
Db		727	GTTTATGCCAAGATTATGATTTCTGTTGTTGAATTTTGT	TACGAAAAAACCCATTAATCAGA	786
Qy		798	AGCTCCAAAACGCAAAATCAAAAATGCAATCTCCGAAG	CACATCGGAAAGTGATCCGTGA	857
Db		787	AGCTCCAAGCCTACAAAACATAAAGTGCANTTT	TAGAAGTACATCGGAGGTGATTAGCA	846
Qy		858	TTCTGAGGACTTTAAGAAAAACCACTCCTATGTAC	ACACACAGCCACCAATCCCACCTTCTC	917
Db		847	TTCTGAGGATTTTAAAAAACCACTACCCATCGTGTG	ACACACCACTCCTCCACCTCTCTTCTC	906
Qy		918	ATTGCTGCAGATTGGACAAAGAAATGTGTGTTAGTCT	CTTGGACAAATCTCGAAAGCATGGC	977
Db		907	ATTGCTGAAGATCAGTCAAAAGAAATGTGTGCTAGT	TTCTTTGATGATGCTCGAAAGCATGGG	966
Qy		978	GACTGGTAAACCGCCTCAATCGACTGAATCAAGCAG	GGCCAGCTTTTCTGCTGCAGACAGT	1037
Db		967	GGGTAAGGACCGCCTAAATCGMATGAATCAAGCAG	CAAAACAATTTCTGCTGCAGACTGT	1026
Qy		1038	TGAGCTGGGTCCTGGGTTGGGATGGTGACAATTTGA	CAGTGTGTCGCCCATGTACAAAGTGA	1097
Db		1027	TGAAAATGGATCCTGGGTGGGGATGGTTCACTTTGA	TAGTACTGCCACTATTTGTAATAA	1086
Qy		1098	ACTCATACAGATAAACAGTGGCAGTGACGGGACAC	ACTGCCAAAGATTTACTCGACG	1157
Db		1087	GCTAATCCAAATAAAAAGCAGTGATGAAGAAACAC	ACACTCATGGCAGGATTAACCTACATA	1146
Qy		1158	AGCTTCAGGAGGACGTCCACTCTGCACGGGGCTTC	GCATCGCCATTTACTGTGATTAGGAA	1217
Db		1147	TCCTCTGGHAGGAACCTTCCATCTGCTCTGGAA	TTAAATATGCAITTCAGTGATTTGGAGA	1206
Qy		1218	GAATAAT- - - CCAACTGATGGATCTGAAATTTGT	GCTGCTCACGGATGGGGAACACAC	1274
Db		1207	GCTACATTTCCCAACTCGATGGATCCGAAGTACT	GTCTGCTGACTGATGGGGAGGATAACAC	1266
Qy		1275	TATAGTGGGTGCTTTAACAGAGTCAAAACAAAGT	GTGGCCATCATCCACACACAGTCGCTTT	1334
Db		1267	TGCAAGTCTTGTATTGATGAAGTGAACAAAGT	GGGGCCATTTGTTCAITTTTATTTGCTTT	1326
Qy		1335	GGGGCCCTCTGCAGCTCAAGAACTAGAGGAGCTGT	CCCCAAAATGCACGAGAGGTTTACAGAC	1394
Db		1327	GGGAAGAGCTTGCTGATGAAGCAGTAAATAGAGAT	GAAGCAGATACAGGAGGAAGTCAATT	1386
Qy		1395	ATATGCTTCAGATCAAGTTTCAGAACAAATGGCC	CTCATTTGCTTTTTGGGGCCCTTTTCATC	1454
Db		1387	TTATGTTTTCAGATGAAGCTCAGAACAATGGCCT	CATTGATGCTTTTTGGGGCTCTTTCATC	1446

Qy	1455	AGGAAATGGAGCTGTCTCTCAGCGCTCCATCCAGCTTGGAGTAAAGGATTAACCCCTCCA	1511
Db	1447	AGGAAATFACTGATCTCTCCAGAAAGTCCCTTCAGCTCGAAAGTAAAGGATTAACACTGAA	1506
Qy	1515	GAACAGCCAGTGGATGAATGGCAGCTGATCGTGGACAGCACCGTGGGAAGGACACTTT	1574
Db	1507	TAGTAATGCCCTGGATGAACGACACTGTCTAAATTGATGATACAGTGGGAAGGACACGTT	1566
Qy	1575	GTTTCTTATCACCTGGACAACGAGCGCTCCCAAATCCTTCTCTGGGATCCCACTGGACA	1634
Db	1567	CTTTCTCATCACATGNAACAGTCTGCGCTCCAGTATTTCTCTCTGGGATCCCACTGGAA	1626
Qy	1635	GAAGCAAGTGGCTTTGTAGTGGACAAAAACACCAAAATGGCCTCACTCCAAATCCGAG	1694
Db	1627	AATAATGGAAAAATTCACAGTGGATGCAACTTCCAAAATGGCCTATCTCAGTATTCGAG	1686
Qy	1695	CATTGCTAAGGTTGGCACTTTGGAAATACAGTCTGC-----AGCAAGCTCACAAACTTT	1748
Db	1687	AATCGCAAGGTTGGGCATTTGGGCATACAAATCTTCAAGCCAAAGCGAAACCCAGAAACAT	1746
Qy	1749	GACCCTGACTGTCACTGCTCCGTCGCTCCAAATGCTACCTCGCTCCAAATACAGTGACTTC	1808
Db	1747	AACATAATACAGTAACCTTCTCGAGCGAAATTTCTTCTGTCCTCCAAATCACAGTGAATG	1806
Qy	1809	CAAAACGAACAGGACACAGCAAAATTCGCCAGCCCTCTGGTAGTTTATGCAAAATATCG	1868
Db	1807	TAAATGAATAAGGACGTAAACAGTTTCCCGAGCCCAATGATTTGTTTACGACGAAATCT	1866
Qy	1869	CCAAGGACCTCCCAAATTTCTCAGGCGCAGTGTCACAGCCCTGATTTGMAATCAGTGAATG	1928
Db	1867	ACAAGGATATGATACCTGTCTTCTGGAGCCAATGTGACTGCTTTTCATTGAAATCAGAAATG	1926
Qy	1929	AAAAACAGTTTACCTTGGAACTACTCGGATAATGAGCAGAGTGCTGATGCTACTAAGGATGA	1988
Db	1927	ACATACGAAGTTTGGAACTTTTGGATAATGTCGAGGCGCTGATTTCTTTCAAGATGA	1986
Qy	1989	CGGTGTCTACTCAAGGTATTTCAACAATTATAGACAGAAATGGTAGATPACAGTGTAAAAGT	2048
Db	1987	TGGAGTCTACTCCAGGTATTTTACAGCATATACAGAAATGGCAGATATAGCTTAAAAGT	2046
Qy	2049	CGGGCTCTGGGAGGAGTTAACCGCAGCAGCGAGGTGATACCCAGCAGAGTGGAGC	2108
Db	2047	TCGGGCTCATGAGGAGCAAAACACTGCCAGGCTTAAAATTTACGGCCCTCCACTGAATAGAGC	2106
Qy	2109	ACTGTACATACCTTGGCTGGATTGAGAAATGATGAAATACAAATGGAATCCACCAAGACCTGA	2168
Db	2107	CGGGTACATACAGCTGGGTAGTGAACGGGGAATTTGAAGCAAAACCGCGCAAGACTGA	2166
Qy	2169	AATTAATAAGGATGATGTTTCAACAACAGCAAGTGTGTTTTCAGCAGAAACATCTCGGAGG	2228
Db	2167	AATTTGAT--GAGGACTCAGACCCTTTGGAGGATTTTCAGCCGAACGATCTCGGAGG	2223
Qy	2229	CTCAATTTGGCTTCTGATGTCCCAAATGCTCCCATACCTGATCTCTTCCCACTGGCCA	2288
Db	2224	TGCATTTGTGGTATCACAACTCCCAAGCTTCCCTTGGCTGAGCAATACCCACCAAGTCA	2283
Qy	2289	AATCACCGACTCAAGSCGGAATTCACGGGGCAGTCTCATTAATCTGACTTTGGACAGC	2348
Db	2284	AATCACAGACCTTGATGCCACAGTTTATGAGG--ATAGATTTATTTTACATGGACAGC	2340
Qy	2349	TCCTGGGGATGATTATGACCATGGAAACAGCTCAAGATATATCATTTGAAATAAGATACAAG	2408
Db	2341	ACCAGGAGATAATTTGATGTTGAAAAGTTCAACGTTTATATCATAAAGATAAGTGCAG	2400
Qy	2409	TATTTCTGATCTCAGAGACAAAGTTTCAATGAACTCTTTCAGTGAATACTACTGCTCTCAT	2468
Db	2401	TATTTCTGATCTAAGAGACAGTTTGTATGATGCTCTTCAAGTAATACTACTGATCTGTC	2460
Qy	2469	CCCAAGGAAGCCAACTCTCAGGAAGTCTTTTGTGTTTAAACCAAGAAACATTACTTTTGA	2528
Db	2461	ACCAAGGAGGCCAATCCCAAGGAAGAGCTTTGCAATTTAAACCAAGAAATATCTCAGNAGA	2520
Qy	2529	AAATGGCACAGATCTTTTTCATTCCTACTATTCAGGCTGTGTAAGGTCGATCTGAAATCAGA	2588

Db	2521	AAATGCAACCCACATATTATTTGCCATTAATAAGATATAGATAAAAGCAATTTGCATCAAA	2580
Qy	2589	AAATATCAAACATTCACAGATCTTTTGTTTATTCCTCCAGACTCCGCAGAGACACC	2648
Db	2581	AGTATCAAACATTCGACAAGTAATTTGTTTATTCCTCAAGCAATCTGATGNCATGA	2640
Qy	2649	TAGTCCTGATGAACGTCCTGCTCTCTTAATATTCATA	2689
Db	2641	TCCTACTCCTACTCCTACTCCTACTCCTGATAAAAGTCATA	2681

RESULT 6

US-09-049-698-18
; Sequence 18, Application US/09049698
; Patent No. 6368792
; GENERAL INFORMATION:
; APPLICANT: BILLING-MEDEL, PATRICIA A.
; APPLICANT: COHEN, MAURICE
; APPLICANT: COLPITTS, TRACEY L.
; APPLICANT: FRIEDMAN, PAULA N.
; APPLICANT: HAYDEN, MARK
; APPLICANT: KLASS, MICHAEL R.
; APPLICANT: ROBERTS-RAPP, LISA
; APPLICANT: RUSSELL, JOHN C.
; APPLICANT: STROUPE, STEPHEN D.
; TITLE OF INVENTION: REAGENTS AND METHODS FOR THE
; TITLE OF INVENTION: USEFUL FOR DETECTING DISEASES OF THE GASTROINTESTINAL
; TITLE OF INVENTION: TRACT
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Abbott Laboratories
; STREET: 100 Abbott Park Road
; CITY: Abbott Park
; STATE: IL
; COUNTRY: USA
; ZIP: 60064-3500
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/049,698
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/828,856
; FILING DATE: 31-MAR-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Becker, Cheryl L.
; REGISTRATION NUMBER: 35,441
; REFERENCE/DOCKET NUMBER: 6068.US.P1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 847/935-1729
; TELEFAX: 847/938-2623
; TELEX:
; INFORMATION FOR SEQ ID NO: 18:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3181 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-09-049-698-18

Qy	81	CCTGAGTAA	TTCACTCATT	CAGCTGAACAA	CAATGGCTATGAAGG	CATTGTCTGTTGCAAT	140	
Db	81	---	AAATACTT	CTCTCATT	AAAGCTGAATAATAAT	TGCTTTGAAGATATTGTCATTGTTAT	137	
Qy	141	CGACCCCAAT	TGTCGCAAGATCAAA	CACATTCATTCA	CAAAATAAAGCA	CATGCTGACCCA	200	
Db	138	AGATCCTAGT	TGTCGCAAGATCAAA	AAAAATAATTTGA	CAAAATAGAGGATATG	TGCTACTAC	197	
Qy	201	GGCATCTCTG	TATCTGTTTGAAGCT	CAGGAAAGCGATTT	TATTTCAAAAAATCT	TGCGCAT	260	
Db	198	AGCTTCTAC	TGCTACTGTTTGAAGC	CAAGAAAAAGATTTTT	TTTTTCAAAAAATG	TATCTAT	257	
Qy	261	TTTGATTTCT	GAACAATGGAAG	CAAGGCTGACTAT	GTGAGACCAAAA	CTTGAGACCTA	320	
Db	258	ATTAATTTCT	GAGATTGGAAG	AAAAATCTCAGT	ACAAAAGGCCAAA	CATGAAAACA	317	
Qy	321	CAAAAATGCT	GATGTTCTGGT	CTGCTGAGTCTACT	CTCTCCAGGTAAT	TGATGAACCCCTACAC	380	
Db	318	TAAACATGCT	GTGATTAAGTTGCA	CCACTACCTCCAGG	TAGAGATGAAC	CATACAC	377	
Qy	381	TGAGCAGAT	GGGCAACTGTG	GAGAGAAGGTG	AAAAAGATCCAC	CTCACTCTCTGATTTCA	440	
Db	378	CAAGCAGTT	CAAGAATGGAAG	AGAAAGCGGAATAC	ATTCACTTCA	CCCTGACCTTCT	437	
Qy	441	TGCAGAAAAA	AGTTAGCTGAATAT	GGACACAAGGT	TAGGGCAATTTGT	CCATGAGTGGC	500	
Db	438	ACTTGA	AAAAAACA	AAAAATGAAATATG	GCACCAGGC	AAATCTGTTGTCATGAGTGGC	497	
Qy	501	TCATCTAC	GATGGGAGTATTTG	ACAGATACAAATAT	TGATGAGAAATTTCT	ACTTATCCAA	560	
Db	498	TCACCTCC	GGTGGGAGTGTTC	GATGAGTACAA	TGAAGATCAG	CCCTTTACCGTCTCAA	557	
Qy	561	---	TGGAAGAA	TACAAGCAGT	TAAGTGTTCAG	CAGGTATTTACTGGTACAAATCTAGTAAA	617	
Db	558	GTCA	AAAAAATCGA	AGCAACAGAGT	GTTCGCGAGGTATCTCT	GTGTAGAAATATAGATTTA	617	
Qy	618	GAAGTGT	CGGGAGCGAGCTG	TTTACACAAAAGAT	GCACATTCAA	TAAAGTAAACGAGACT	677	
Db	618	TAAAGTGT	CAAGGAGCGAGCTGT	CTTAGTAG	CATGCAGAA	TTGATTTCTACAAACAAA	677	
Qy	678	CTATGAAA	AGGATGTGAGTTG	TTCTCCNATCCG	CAGCGAGGAGGCTTCTATAT		737	
Db	678	GTATGAAA	AGATGTGCAATCTCT	TCTGATAAAGTAC	AAACAGAAAAGCATCC	CATAT	737	
Qy	738	GTTTTGCA	CAACATGTTGATTTCT	ATGTTGAATTTCTGT	TACAGAACAAA	CAACACAAAGA	797	
Db	738	GTTTATGCA	AAGTATTGATTTCTG	TGTTGAAATTTGT	TAGAAAAA	CCCATTAATCAAGA	797	
Qy	798	AGCTCCAA	ACAAACAAAATCA	AAAAATGCAATCTCCG	AAGCACATGGGAAGT	GCCTGTGA	857	
Db	798	AGCTCCAA	AGCCTACAAA	CATAAAGTGC	AATTTTAGAAGTACAT	TGGGAGTATTAGCA	857	
Qy	858	TTCTGAGG	ACTTTAAGAA	AAACCACTCCTAT	GCACACAGCCCA	AAATCCCACCTTCTC	917	
Db	858	TTCTGAGG	ATTTTAAAA	ACACCATACCCAT	TGGTGTGACACCA	CCCTCTCCACCTGTCTTCTC	917	
Qy	918	ATTGCTGC	AGATGGCA	AAAGATTTGTGTTT	TAGTCTTGACAA	ATCTGGAAGCATGGC	977	
Db	918	ATTGCTGC	AGATGCATCA	AAAGATTTGTGTTT	CTGTAGTCTT	GATGTGGAAGCATGGG	977	
Qy	978	GACTGGT	TAACCGCTCA	ATCGACTGAATCA	AGCAGCCAGCTTTT	CTGCTGCAGACAGT	1037	
Db	978	GGGTAAGG	ACCGCTTAAATCG	AAATGAATCAAG	CAGCAAAACATTTCC	TGCTGCAGACTGT	1037	
Qy	1038	TGAGCTGGG	GTCTCTGGGTTGG	AGATGTGTGACATTT	TGACAGTGTG	CCCATGTACAAGTGA	1097	
Db	1038	TGAAAA	TGGATCCTGGG	TGGGATGTTCACTTT	GATAGTACTG	CCCACTATTGTAAATAA	1097	
Qy	1098	ACTCAT	CAGATAAA	CAGTGGCAGTCA	CAGGAGCACACTCG	CCAAAAGATTA	CCTCGCAGC	1157
Db	1098	GCTAAT	CCAAATAAA	AGCAGTGATGAA	AAACAACATCAT	TGCGGAGGATTA	CCTACATA	1157
Qy	1158	AGCTTCAGG	AGGACGCTCC	ATCTGC	ACGGGCTTCGATCGG	CAATTTACTGTGATTA	AGGAA	1217

Db 1158 TCCTCTGGGAGAACTCCATCTGCTCTGGAATTAATATGCAATTCAGGTGATTTGGAGA 1217
QY 1218 GAAATAT---CCAACTGATGATCTGAATTTGCTGCTGACGGATGGGAGACACAC 1274
Db 1218 GCTACATTTCCCAACTCGATGGAATCCGAAGTACTGCTGCTGATGATGGGAGGATAACAC 1277
QY 1275 TATAAGTGGTCTTTAAAGAGGTCAAAACAAAGTGGTGCCATCATCCACACAGTCGCTTT 1334
Db 1278 TCCAAGTTCTTGATTTGATGAAGTGAACAAAGTGGGCGCATTTTCATTTTATTTGCTTT 1337
QY 1335 GGGGCGCTCTGAGCTCAAGAACTAGAGAGGTGTCCTCAAAATGACAGGAGTTTACAGAC 1394
Db 1338 GGGAGAGCTGCTGATGAAGCAGTAATACAGATGAGCAAGATAACAGGAGGAAGTCATTT 1397
QY 1395 ATATGCTTCAGATCAAGTTTCAAGAACTAGAGAGGTGTCCTCAAAATGACAGGAGTTTACAGAC 1394
Db 1398 TTAGTCTTCAGATGAAGCTCAGAACAAATGGCCTCATTTGATGCTTTTGGGGCTCTTACATC 1457
QY 1455 AGGAATGGAGCTGTCTCAGCGTCCATCAGCTTGAGAGTAAAGGATTAACCTCCA 1514
Db 1458 AGGAATGATGATCTCTCCAGAGTCCCTTCAAGTCCGAAAGTAAAGGATTAACACTGAA 1517
QY 1515 GAACAGCAGTGGATGAATGGACAGTGTGATCGTGGACAGCACCGTGGGAAAGGACACTTT 1574
Db 1518 TAGTAATGCTGGATGAACGACACTGTCTAATTTGATAGTACAGTGGGAAAGGACAGCTT 1577
QY 1575 GTTCTTATCACTGGAACAGCGAGCTCCCAAAATCCTTCTCTGGGATCCAGTGGACA 1634
Db 1578 CTTTCTCATCAGATGGAACAGTCTGCTCCAGTATTTCTCTCTGGGATCCAGTGGAA 1637
QY 1635 GAAGCAAGTGGCTTTGTAGTGACAAAACACCAAAATGGCTCTCCCAATCCAGG 1694
Db 1638 AATAATGGAATTTTCAAGTGGATGCAACTTCCAAATGGGCTATCTCAGTATTTCCAGG 1697
QY 1695 CATTTGCTAAGTTGGCACTTTGGAATATACAGTCTGC-----AAGCAAGCTCACAACTTT 1748
Db 1698 AACTGCAAGTGGGCACTTTGGGATACAACTCTTCAAGGCAAAAGGCAACCCAGAAACAT 1757
QY 1749 GACCTGATCTGACGTCCTGGTCCGATCAATGCTACCTGCTCCATTAATTAAGTCACTTC 1808
Db 1758 AACTATTACAGTAATCTTCTGAGCAGCAAAATCTTCTGCTGCTCCAAATCAGAGTGAATG 1817
QY 1809 CAAACGAAACAGGACACCAAGAAATTTCCCAAGCTCTGCTGATTTTATGCAAAATTCG 1868
Db 1818 TAAATGAATAGGACGTAACAGTTTCCCAAGCCCAATGATTTTACGCAAAATTTCT 1877
QY 1869 CCAAGGAGCTCCCAATTTCTCAGGCGCAGTGTCAAGCCCTGATTTGAATCAGTGAATGG 1928
Db 1878 ACAAGGATATGTACCTGTTCTTGGAGCCAAATGTGACTGCTTTTCAATTAATCAGAGTGG 1937
QY 1929 AAAACAGTTACTTGGAACTACTGATTAATGGAGAGTGTGATGCTTACTTAAGATGA 1988
Db 1938 ACATACAGAAATTTTGGAACTTTTGGATTAATGGTGCAGGCGCTGATTTCTTCAAGAAATGA 1997
QY 1989 CGGTGCTACTCAAGTATTTTCAACACTTATCAGCAGGATGTAGATACAGTGAATGAAGT 2048
Db 1998 TGGAGTCTACTCCAGTATTTTACAGCATATACAGAAATGGCAGATATAGTCTTAAAGT 2057
QY 2049 GCGGGCTCTGGGAGGATTAAGCCAGCCAGAGGAGTGTATACCCAGCAGAGTGGAGC 2108
Db 2058 TCGGGCTCATGGAGGAGCAACACTGCCAGGCTAAATTTACGGCTCCCACTGAATAGAGC 2117
QY 2109 ACTGTATACACTGCTGGATTTAGAAATGATGAATGAATGAATGAATGAATGAATGAATGA 2168
Db 2118 CGCGTACATACAGGCTGGTGTAGTGAACCGGGGAAATTTGAAGCAAAACCCGCCAAGACCTGA 2177
QY 2169 AATTAATAGGATGATTTTCAACAGCAAGCAAGTGTGTTTTCAGCAGAACTCTCCGGAGG 2228
Db 2178 AATGAT----GAGGATCTCAGACCACTTGGAGGATTTTTCAGCCGAAACAGCATCCGGAGG 2234
QY 2229 CTCAATTTGGCTCTGATGTCCTCAAAATGCTCCCATACCTGATCTCTTCCCACTGGCCA 2288

Db 2235 TGCAATTTGTGTATCACAAGTCCCAAGCCTTCCCTTGCTGACCAATACCCACCAAGTCA 2294
QY 2289 AATCACCCACCTGAAGGCGGAAATTTACGGGGCAGTCTCATTAATCTGACTTGGACAGC 2348
Db 2295 AATCACAGACCTTGTATGCCAGATTCATGAGG---ATAAGATTATTTTACATGGACAGC 2351
QY 2349 TCCTGGGATGATTATGATGACCACTGGAACAGCTCACAAGTATATCATTTGGAATAGTACAG 2408
Db 2352 ACCAGGATAAATTTTGTATTTGGAAAAGTTCAACGTTATATCATTAAGAATAAGTGAAG 2411
QY 2409 TATTTCTGATCTCAGAGCAAGTTCAATGAATCTCTTCAAGTGAATATCTACTGCTCTCAT 2468
Db 2412 TATTTCTGATCTAAGAGACAGTTTGTATGATGCTCTTCAAGTAAATATCTACTGATCTGTC 2471
QY 2469 CCCAAAGCAAGCCACTCTGAGGAGTCTTTTGTGTTTAAACCCAGAAAACATTTACTTTGA 2528
Db 2472 ACCAAAGGAGGCCAACTTCAAGGAAAGCTTTTGCAATTTAAACCCAGAAAATATCTCAGAAGA 2531
QY 2529 AATGGCACAGATCTTTTCAATTTGCTATTTTCAAGCTCTTGAATAGGTCTGAAATCAGA 2588
Db 2532 AATGCAACCCACATATTTTATGCAATTAAGATATAGATAAAGCAATTTGACATCAA 2591
QY 2589 AATATCCAACATTTGACAGATCTTTGTTTATTTCTTCCACAGACTCCGCCAGAGACACC 2648
Db 2592 AGTATCCAACATTTGACAGTAACTTTGTTTATCTTCCCTCAAGCAAAATCTCTGATGACATTGA 2651
QY 2649 TAGTCTCTGATGAAGCTCTGCTCTTGTCTTCTTAATATTCTATA 2689
Db 2652 TCCTACTCTACTCTCTACTCTCTCTGATAAAGTCTATA 2692

RESULT 7

US-09-193-562D-1

; Sequence 1, Application US/09193562D

; Patent No. 6309857

; GENERAL INFORMATION:

; APPLICANT: Pauli, Benedicht U.

; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium

; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules

; FILE REFERENCE: 18617.0052

; CURRENT APPLICATION NUMBER: US/09/193,562D

; PRIOR FILING DATE: 1998-11-17

; PRIOR APPLICATION NUMBER: US/60/065,922

; PRIOR FILING DATE: 1997-11-17

; NUMBER OF SEQ ID NOS: 47

; SEQ ID NO 1

; LENGTH: 3317

; TYPE: DNA

; ORGANISM: Unknown

; FEATURE:

; OTHER INFORMATION: sequence encoding Lu-ECAM-1 and Lu-ECAM-1 associated

; OTHER INFORMATION: protein from bovine endothelial cells

US-09-193-562D-1

Query Match 32.0%; Score 900.2; DB 4; Length 3317;
Best Local Similarity 61.4%; Pred. No. 1.2e-264;
Matches 1635; Conservative 0; Mismatches 978; Indels 48; Gaps 10;

QY 5 TCACAGGAGATGTACAGCAATGGGGCCATTTAAGAGTCTGTGTTCATCTTTGATCTTTC 64
Db 43 TTACTGTAACTGTGCAAAATGGTGTCTGTCTGAATGTTATTTCTTCTTAACTTTGC 102
QY 65 ACCTTCTAGAGGGCCCTGAGTAATTCATTCATTCAGCTGACCAATGGCTATGAG 124
Db 103 ATCTCTCCCTGG---AATGAAAGTTCAATGGTAAATTTGATTAAACAATGGGTATGAG 159
QY 125 GCATTGTCTGTGCAATCGACCCCAATGTGCCAGAGATGAAACACTTCATTTCAACAAATAA 184
Db 160 GCATTGTCTGTGCAATTAACCCCACTGTGCCAGAGATGAAACACTTCATTTGAAACATAA 219
QY 185 AGGACATGGTGAACCCAGGATCTCTGTATCTGTGTTGAAGCTTACAGGAAAGGATTTTAT 244
Db 220 AGGAAATGGTAACTGAAGCTTCTACTTACCTGTGTTTTCATGCCCAACCAAGAGTTTAT 279

Db 2431 AAGGAAAGCCCAAGCTACATTATAAGAAATAGTAAGAGTTTCTGATCGTCAAGAAG 2490
Qy 2429 AGTTCAATGAATCTCTTCAAGTGAATACCTACTGCTCTCATCCCAAGGAGCAACTCTG 2488
Db 2491 ATTTTGAACAATCGAGCTTTAGTGAATACCTTCTAACTTAATACCTAAGGAGGCCGATCAA 2550
Qy 2489 AGGAAGTCTTTTGTTTAAACCCAGAAAACATTACTTTTGAATAATGGCAGAGATCTTTTCA 2548
Db 2551 AAAAAATTTTGAATTTAAGCCAGAACATTTTGAAGTAGAATAATGGACCAATTTCTATA 2610
Qy 2549 TTGCTATTACAGCTGTGTGAATAGGTGATCTGAAATCAGAAATATCCAAATTTGACGAG 2608
Db 2611 TTTCAGTCCAGCCATCAAGCAAGCAATCTCATCTCAGAGCTTCTCAGATTGTACAAG 2670
Qy 2609 TATCTTTGTTTATCTCTCCAC 2629
Db 2671 CAATCAAAATTTATCTCTCTAC 2691

RESULT 8

US-09-193-562D-33
; Sequence 33, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; CURRENT FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 33
; LENGTH: 3022
; TYPE: DNA
; ORGANISM: Mus musculus
US-09-193-562D-33

Query Match 29.9%; Score 840.6; DB 4; Length 3022;
Best Local Similarity 60.5%; Pred. No. 2e-246;
Matches 1554; Conservative 0; Mismatches 974; Indels 39; Gaps 9;
Qy 91 TCACTCATTCAGCTGACAAACAAATGGCTATGAAGCAATGTGTTGCAATCGACCCCAAT 150
Db 81 TCCATGGTGCATCTCAACAGCAATGGATACGAGGGTGTGTCATTGCCATTAAACCCCAAT 140
Qy 151 GTGCCAGAGATGAACACTCAATCAACAAATAAAGGACATGGTGACCCAGGCACTCTCTG 210
Db 141 GTGCCAGAGGAGAAAGGCTCATCCNAGCATAAAGGAATGTAACTCAAGCTTCTACC 200
Qy 211 TATCTGTTGAAGCTACAGGAAGCGATTTTATTTCAAAAATGTGGCCATTTGATTCCT 270
Db 201 TACCTGTTTGAAGCCAGCCAGGAAGAGTTTATTTCAAGAACATAAGCATATTAAGTCCCG 260
Qy 271 GAAACATGGAACAAAGGCTGACTATGTGACACCAAACTTGAGACCTTACAAAATGCT 330
Db 261 ATGACCTGGAAGTGAATCTGAGTACTTAATGTCAAAACGAGAAATCGTACGACAAAGCA 320
Qy 331 GATGTTCTGTTGCTGAGTCTACTCTCCAGGTAATGATGAACCCCTACACTGAGCAGATG 390
Db 321 GACGTCATAGTTGCGATCCTCACCTGCAACATGGAGAGGACCCCTACACCCCTTCAGTAT 380
Qy 391 GGCACATGTGGAGAGAGGGTGAAGAGATCCACCTCACTCTGATTTTCAATTCGAGGAAAA 450
Db 381 GGACAGTGTGGGACAGAGGACAGTACATACACTTCACTCCAAAATTCCTACTCACTGAT 440
Qy 451 AAGTTAGCTGAATATGGACCAAGGTAGGCAATTTGCTCCATGAGTGGGCTCATCTAGA 510
Db 441 AACTTCGCTATCTATGGACCCCGAGGAGAGTCTTTGTCATGAGTGGGCGCATCTCCGG 500
Qy 511 TGGGGAGTATTTGACGAGTACAAATAATGATGAGAAATTTCTACTTATCCA---ATGGAAGA 567

Db 501 TGGGAGTATTTGATGAGTATAAAGTGGACCGTCACTTTTACATTTCTAGAAAGAACT 560
Qy 568 ATACAGGAGTAAGATGTTCAGCAGGTATTACTGTACAAATGTAGTAAGAGGTGTCTAG 627
Db 561 ATAGAAGCAACAGAGTGTCTCCGCCAGCATCAAGGCAAGAGGTGTGTCCAGAGTGTCTAG 620
Qy 628 GGAGGACGCTGTTTACACCAAAAGATGCACATTTCAATAAAGTAACAGGAGCTCTATGAAAAA 687
Db 621 AGAGGACGCTGTGTGACAAGGGCGTCCGGCGTGACTCGAAGACACGGCTGTATGAAACC 680
Qy 688 GGATGTGAGTTGTTTCTCCAAATCCCGCAGCGGAGAGGCTTCTATATGTTTGCACAA 747
Db 681 AAATGTATCATTTATCCAGACAAATAACAGACAGCTGGGGCTCCATAATGTTCATGCAA 740
Qy 748 CATGTTGATTTCTATAGTTGAATTTCTGTACAGAACAAACACCAACAAAGAGCTCCAAAC 807
Db 741 AACCTCAATTTCTGTGTTGAAATTTTGCACAGAAAAATAACCAATGCGAAGAGCCCAAC 800
Qy 808 AAGCAAAATCAAAAATGCAATCTCCGAAGCATCGGGAAGTGATCCGTGATTTCTCAGGAC 867
Db 801 CTACAAAACAAATGTGCATTCGCAATCGCAAGACAGCTGGGATGTAAATCAAGACGTCTCTGAC 860
Qy 868 TTTAAGAAAAACACTCTCTATG-----ACAAACACAGCCCAAAATPCCACCTTCTCATTTG 921
Db 861 TTTCAGAAATGCCCTCCCATGAGAGAAACAGAAAGCCCTCTCTCCACCTACATTTTATCTG 920
Qy 922 CTGCGATTTGACAAAGAAATTTGTGTGTTTGTCTTGTGACAAATCTGGAAGCATGGGACT 981
Db 921 CTCAGTCCGAAGCGAGTGTGTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 980
Qy 982 GGTAAACCGCTCAATCGACTGAAATCAAGCAGCGCAGCTTTTCTCTGCTGCGACAGCTGTAG 1041
Db 981 GAAGACCTCTTATTTGAAATGAATCAAGCAGACGACTGTACTTAACTCAAATTTGTGAA 1040
Qy 1042 CTGGGCTCTGGGTTGGATGTGTGACATTTGACAGTGTGCTGCCCATGTACAAAGTGAACCT 1101
Db 1041 AAGGAGTCTATGTTGGATTAGTACATTTGACAGCGCTGCCACATCCAAAATTTATCTTA 1100
Qy 1102 ATACAGATAAAGTGGCAGTGACAGGAGACACATCGCCAAAAGATTACCTGCAGAGCT 1161
Db 1101 ATAAAAATTAAGCAGTAGTAGTACTTACAAAAGATCACCGCAAACTCTCCCAACAGGCT 1160
Qy 1162 TCAGGAGGAGCTCATCTGAGCGGGCTCGATCGGCATTTTACTGTGATTA---GGAAG 1218
Db 1161 TCTGTGGAATTTCAATTTGCCATGGACTCCAGGACAGATTTTACGCAATTTACCTCCAGT 1220
Qy 1219 AAATATCAACTGATGGAATCTGAAATTTGTGCTGACGGATGGGGAAGACAACTATA 1278
Db 1221 GACCAGAGCACTTCCGGTTCTGAGATCGTATTGCTGACAGATGGGGAAGATAATGGAATA 1280
Qy 1279 AGTGGTGTCTTAAAGAGGTCAAAACAAAGTGGTGCCATCTCCACAGCTGCTTGGGG 1338
Db 1281 GGTTCCTGTTTGAAGCGCTCTCTGCGAGCGGTGCCATCATCCACCATCGCTCTGGGG 1340
Qy 1339 CCCTCTGAGCTCAAGAACTAGAGGAGCTGTCCAAAATGACAGAGAGTTTACAGACATAT 1398
Db 1341 CTTTCGGTGTCCGGAAGAACTGGAGACTCTGTGGACATGACAGGAGGGCTTGTCTTCTAT 1400
Qy 1399 GCTTCAGATCAAGTTTCAAGAACTATGGCTCATTTGATGCTTTTGGGGCCCTTTTCATCAGA 1458
Db 1401 GCCAAACAAAGACCT-----AAACAGCTTATCGATGCTTTTCAAGTAAATTTTCACTTACA 1454
Qy 1459 AATGGAGCTGTCTCTCAGCGCTCCATCCAGCTTGGAGTAAGGATTAACCCCTCCAGAAC 1518
Db 1455 AGTGGCAGCGTCTCCACAGCGCTCTGCAATTTGGAGAGCAAGCCCTTCGATGTACAGACA 1514
Qy 1519 AGCCAGTGGATGAATGGCACAGTGAATCTGTGACACGACCGCTGGGAAAGACACTTTGTTT 1578
Db 1515 GGGCATGGAATAACGGTACAGTACCTCTGACAGTACCGTCCGGAACGACAGCTTCTTT 1574
Qy 1579 CTTATACCTGGACAAACGACGCTCTCCCAAAATCTCTCTGCGGATCCAGTGGACAGAG 1638


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; ZIP: 07068-1739
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/469,667
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Ferraro, Gregory D.
; REGISTRATION NUMBER: 36,134
; REFERENCE/DOCKET NUMBER: 325800-435
; TELEPHONE: 201-994-1700
; TELEFAX: 201-994-1744
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 878 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 2..685
;
US-08-469-667-8
Query Match 27.8%; Score 780.8; DB 1; Length 878;
Best Local Similarity 98.9%; Pred. No. 1.8e-228;
Matches 796; Conservative 0; Mismatches 8; Indels 1; Gaps 1;

QY 1992 TGTCTACTCAAGTATTTCACAACTTATGACAGCAATGTTAGATACAGTGTAAAGTGG 2051
DB 1 TGTCTACTCAAGTATTTCACAACTTATGACAGCAATGTTAGATACAGTGTAAAGTGG 60

QY 2052 GGCTCTGGGAGGATTAACGACGACGAGGAGTGATACCCAGCAGAGTGGAGCACT 2111
DB 61 GGCTCTGGGAGGATTAACGACGACGAGGAGTGATACCCAGCAGAGTGGAGCACT 120

QY 2112 GTACATACCTGGTGTGATGAGTAATGATGAATACAAATGATGAATGATGAATGATGAAT 2171
DB 121 GTACATACCTGGTGTGATGAGTAATGATGAATGATGAATGATGAATGATGAATGATGAAT 180

QY 2172 TAATAGGATGATGTTCAACACAGCAAGTGTGTTTCAGCAGAAATCTCTCGGAGGCTC 2231
DB 181 TAATAGGATGATGTTCAACACAGCAAGTGTGTTTCAGCAGAAATCTCTCGGAGGCTC 240

QY 2232 ATTTGTGGCTCTGATGTCCTCCAAATGCTCCCATACCTGATCTCTCCACCTGGCCAAAT 2291
DB 241 ATTTGTGGCTCTGATGTCCTCCAAATGCTCCCATACCTGATCTCTCCACCTGGCCAAAT 300

QY 2292 CACCGACCTGAAGGGGAAATTCACGGGGGAGTCTCATTAATCTGACATTGACAGCTCC 2351
DB 301 CACCGACCTGAAGGGGAAATTCACGGGGGAGTCTCATTAATCTGACATTGACAGCTCC 360

QY 2352 TGGGGATGATTGACCATGGAACAGCTCACAAGTATATCATTCGAAATGATACAGTAT 2411
DB 361 TGGGGATGATTGACCATGGAACAGCTCACAAGTATATCATTCGAAATGATACAGTAT 420

QY 2412 TCTTGATCTCAGACACAAGTTCATGAATCTCTTCAAGTGAATGATGATGATGATGATGAT 2471
DB 421 TCTTGATCTCAGACACAAGTTCATGAATCTCTTCAAGTGAATGATGATGATGATGATGAT 480

QY 2472 AAAGGAAGCAACTCTGAGGAAGTCTTTTGTGTTTAAACAGAAAAATCTATCTTTTAAAAA 2531
DB 481 AAAGGAAGCAACTCTGAGGAAGTCTTTTGTGTTTAAACAGAAAAATCTATCTTTTAAAAA 540

QY 2532 TGGCAGAGATCTTTTCACTTATTCAGGCTGTTGATAGGTCGATCTGAAATCAGAAAT 2591
DB 541 TGGCAGAGATCTTTTCACTTATTCAGGCTGTTGATAGGTCGATCTGAAATCAGAAAT 600

QY 2592 ATCCAAACATTGACAGGATATCTTTGTTTATCTCCACAGACTCCGCCAGAGACACCTAG 2651
DB 601 ATCCAAACATTGACAGGATATCTTTGTTTATCTCCACAGACTCCGCCAGAGACACCTAG 660

QY 2652 TCTGATGAACGCTGCTCCTTGT-CCTAAATATTCATATCAACAGCACCATTCTCTGGCA 2710
DB 661 TCTGATGAACGCTGCTCCTTGTGCTTGTGCTTAAATATTCATATCAACAGCACCATTCTCTGGCA 720

QY 2711 TTCACATTTTAAAAAATATGTGAAAGTGGATAGGAGAACTGCGAGCTGTCAATAGCCTAG 2770
DB 721 TTCACATTTTAAAAAATATGTGAAAGTGGATAGGAGAACTGCGAGCTGTCAATAGCCTAG 780

QY 2771 GCTGAATTTTGTGCAGATAAATAA 2795
DB 781 GCTGAATTTTGTGCGGTGAATAA 805

RESULT 11
US-09-224-110-8
; Sequence 8, Application US/09224110
; Patent No. 6337195
; GENERAL INFORMATION:
; APPLICANT: Yu, Guo-Liang
; TITLE OF INVENTION: Colon Specific Genes and Proteins
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Carella, Byrne, Bain, Gilfillan, Cecchi,
; STREET: 6 Becker Farm Road
; CITY: Roseland
; STATE: NJ
; COUNTRY: USA
; ZIP: 07068-1739
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/224,110
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/469,667
; FILING DATE: 06-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Ferraro, Gregory D.
; REGISTRATION NUMBER: 36,134
; REFERENCE/DOCKET NUMBER: 325800-435
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-994-1700
; TELEFAX: 201-994-1744
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 878 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 2..685
;
US-09-224-110-8
Query Match 27.8%; Score 780.8; DB 4; Length 878;
Best Local Similarity 98.9%; Pred. No. 1.8e-228;
Matches 796; Conservative 0; Mismatches 8; Indels 1; Gaps 1;

QY 1992 TGTCTACTCAAGTATTTCACAACTTATGACAGCAATGTTAGATACAGTGTAAAGTGG 2051
DB 1 TGTCTACTCAAGTATTTCACAACTTATGACAGCAATGTTAGATACAGTGTAAAGTGG 60
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Db 661 TCCTGATGAACGCTGTGCTTCTTGGCCCTTAATATTCATATCAACAGCACCATTCCTGGCA 720
Qy 2711 TTCAATTTTAAATATATGTGAAGTGGATAGGAGAACTGCAGCTGTCAATAGCCTAGG 2770
Db 721 TTCAATTTTAAATATATGTGAAGTGGATAGGAGAACTGCAGTGTCAATAGNCTAGG 780
Qy 2771 GCTGAATTTTGTTCAGATAAATAA 2795
Db 781 GGTGAATTTTGTGGCGTGAATAA 805

RESULT 13
US-09-643-597-168
; Sequence 168, Application US/09643597
; Patent No. 6426072
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy
; APPLICANT: Fanger, Gary R.
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Henderson, Robert A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.455C11
; CURRENT APPLICATION NUMBER: US/09/643,597
; CURRENT FILING DATE: 2000-08-21
; NUMBER OF SEQ ID NOS: 369
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 168
; LENGTH: 2784
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-643-597-168

Query Match 19.7%; Score 554.6; DB 4; Length 2784;
Best Local Similarity 55.5%; Pred. No. 6.1e-159;
Matches 1373; Conservative 0; Mismatches 1034; Indels 68; Gaps 13;

Qy 98 TTCAGCTGAACAACTGCTATGAGGCAATTTGCTGCTCAATTCGACCCCAATGSCCAG 157
Db 174 TACAGCTTCAAGCAATGGGTHATGGATTGCTCATTCGAATTAATCTCAGGTACCTG 233
Qy 158 AAGATGAACACTTCTCAACAAATAAAGGACATGGTGACCCAGGCACTCTGTATCTGT 217
Db 234 AGAATCAGAACCTCATCTCAACATTTAAGGAATGATACTGAAGCTTCATTTTACCTAT 293
Qy 218 TTGAAGCTACAGGAAGCAATTTATTTCAAAAATGTCGCCATTTTGTATCTCCTGAACAT 277
Db 294 TTAATGCTTACCAAGAGAAGAGTATTTTTCAGAAATATAAAGATTTTAAATACCTGCCACAT 353
Qy 278 GGAAGACAAGGCTGACTATGTGAGACCAAACTTGAGACCTTACAAAATGCTGATGTTTC 337
Db 354 GGAAGAGCTAA---TAAATAACAGCAAAATAAACAAGAAATCATATGAAAGGCAATGTCA 410
Qy 338 TGGTTGCTGAGTCTACTCTCCAGGTAATGATGAACCTTACACTGAGCAGATGGGCAACT 397
Db 411 TAGTGACTGACTGTTATGGGCACATGGAGATGATCCATACACCTTACAAATACAGAGGCT 470
Qy 398 GTGGAGAGAGGTTGAAGGATCCACTCATCTCTGATTTTCAATTTGAGGAAAGGTT--- 455
Db 471 GTGGAAAAGAGGAAAATAATCAATTTTTCACACCTAAATTTCTACTGAATGATAACTTAA 530
Qy 456 -AGCTGAATATGGACACAGGTAGGCAATTTTTCATGATGGGCTCATCTACAGTGG 514
Db 531 CAGCTGGCTACGGATCACAGGCGGAGTGTGTTGTCATGAATGGGCGCCACTCCGTTGGG 590

Qy 515 GAGTATTTGACGAGTACAAATATATGATGAGAAATTTCTACTTTATCCATGAA---GAATAC 571
Db 591 GTGTGTTTCGATGATATATCAATATGACAAACCTTTCTACATAAATGGCAAAATCAAATTA 650
Qy 572 AAGCAGTAAAGTGTTCAGCAGGTATTTACTGTGTACAAATGTAGTAAAGAGTGTACGGAG 631
Db 651 AAGTCAAGAGTGTTCATCTGACATCAACAGGCAATTTTGT-----GTGTGAAGAAG 701
Qy 632 GCAGCTGTTTACACAAAGATGCACATTCATTAAGTAAACAGGACTCTATGAAAAAGGAT 691
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Qy 692 GTGAGTTTGTCTCCAAATCCCGCAGACGGAAGGCTTCTATATATGTTTGACACATG 751
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 ; Sequence 168, Application US/09480884A
 ; Patent No. 6482597
 ; GENERAL INFORMATION:

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; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Lique
; APPLICANT: Hosken, Nancy A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY
; FILE REFERENCE: 210121.455C6
; CURRENT APPLICATION NUMBER: US/09/480,884A
; NUMBER OF SEQ ID NOS: 330
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 168
; LENGTH: 2784
; TYPE: DNA
; ORGANISM: Homo sapien
; US-09-480-884A-168

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; Patent No. 6518256
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy A.
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY
; FILE REFERENCE: 210121.455C8
; CURRENT APPLICATION NUMBER: US/09/542,615A
; CURRENT FILING DATE: 2000-04-14
; NUMBER OF SEQ ID NOS: 350
; SOFTWARE: PastSeq for Windows Version 3.0
; SEQ ID NO 168
; LENGTH: 2784
; TYPE: DNA
; ORGANISM: Homo sapien
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Query Match 19.7%; Score 554.6; DB 4; Length 2784;
Best Local Similarity 55.5%; Pred. No. 6.1e-159;
Matches 1373; Conservative 0; Mismatches 1034; Indels 68; Gaps 13;

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GenCore version 5.1.6
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Maximum Match 100%

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4	4759	93.7	914	9	US-09-981-353-192	Sequence 132, App
5	4759	93.7	914	11	US-09-833-245-2054	Sequence 2054, Ap
6	4759	93.7	914	14	US-10-235-994-26	Sequence 26, Appl
7	4759	93.7	914	14	US-10-060-255-42	Sequence 42, Appl
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13	4476	88.1	869	14	US-10-369-214-133	Sequence 133, App
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15	3656.5	72.0	913	14	US-10-270-595-2	Sequence 2, Appli
16	3656.5	72.0	913	15	US-10-369-214-132	Sequence 132, App
17	2879.5	56.7	919	9	US-09-989-722-379	Sequence 379, App
18	2879.5	56.7	919	9	US-09-989-723-379	Sequence 379, App
19	2879.5	56.7	919	9	US-09-989-727-379	Sequence 379, App
20	2879.5	56.7	919	9	US-09-989-727-379	Sequence 379, App
21	2879.5	56.7	919	9	US-09-989-731-379	Sequence 379, App
22	2879.5	56.7	919	9	US-09-989-732-379	Sequence 379, App
23	2879.5	56.7	919	9	US-09-991-073-379	Sequence 379, App
24	2879.5	56.7	919	9	US-09-990-442-379	Sequence 379, App
25	2879.5	56.7	919	9	US-09-991-163-379	Sequence 379, App
26	2879.5	56.7	919	9	US-09-993-604-379	Sequence 379, App
27	2879.5	56.7	919	9	US-09-990-456-379	Sequence 379, App
28	2879.5	56.7	919	9	US-09-989-721-379	Sequence 379, App
29	2879.5	56.7	919	9	US-09-992-598-379	Sequence 379, App
30	2879.5	56.7	919	9	US-09-989-293A-379	Sequence 379, App
31	2879.5	56.7	919	9	US-09-989-735-379	Sequence 379, App
32	2879.5	56.7	919	9	US-09-990-444-379	Sequence 379, App
33	2879.5	56.7	919	9	US-09-991-181-379	Sequence 379, App
34	2879.5	56.7	919	9	US-09-989-730-379	Sequence 379, App
35	2879.5	56.7	919	9	US-09-990-436-379	Sequence 379, App
36	2879.5	56.7	919	9	US-09-993-687-379	Sequence 379, App
37	2879.5	56.7	919	10	US-09-989-734-379	Sequence 379, App
38	2879.5	56.7	919	10	US-09-997-653-379	Sequence 379, App
39	2879.5	56.7	919	10	US-09-993-667-379	Sequence 379, App
40	2879.5	56.7	919	10	US-09-997-428-379	Sequence 379, App
41	2879.5	56.7	919	10	US-09-997-666-379	Sequence 379, App
42	2879.5	56.7	919	10	US-09-990-438-379	Sequence 379, App
43	2879.5	56.7	919	10	US-09-990-562-379	Sequence 379, App
44	2879.5	56.7	919	10	US-09-990-711-379	Sequence 379, App
45	2879.5	56.7	919	10	US-09-989-726-379	Sequence 379, App

ALIGNMENTS

RESULT 1

US-09-764-868-635
; Sequence 635, Application US/09764868
; Patent No. US2002016871A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCES: PT32
; CURRENT APPLICATION NUMBER: US/09/764,868
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 1510
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 635
; LENGTH: 925
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-764-868-635

Alignment Scores:	0	Length:	925
Pred. No.:	4802.00	Matches:	922
Score:	100.00%	Conservative:	0
Percent Similarity:	100.00%	Mismatches:	0
Best Local Similarity:	100.00%		

Query Match:	94.53%	Indels:	0
DB:	9	Gaps:	0
US-09-049-696-18 (1-2813) x US-09-764-868-635 (1-925)			
QY	1	GAATACAGGGAGAGTGTACAGCAATGGGCCATTTAAAGAGTCTCTGTTCATCTTGATT	60
DB	4	GlulThrGlyArgCysThrAlaMetGlyProPheLysSerValPheIleLeuIle	23
QY	61	CTTCACCTTCTAGAAGGGCCCTGAGTAATTCATCTCATTTCAGCTGAACAATGCTAT	120
DB	24	LeuHieLeuLeuGluGlyAlaLeuSerAsnSerLeuIleGlnLeuAsnAsnGlyTyr	43
QY	121	GAAGGATTCCTGTCGAATCGACCCCAATGTCGAGACATCAACACTCATTTCAACAA	180
DB	44	GlulGlyIleValValAlaIleAspProAsnValProGluAspGluThrLeuIleGlnGln	63
QY	181	ATAAGGACATGTTGACCCAGGCATCTCTGTATCTGTTTGAAGCTACAGGAAGCGATT	240
DB	64	IleLysAspMetValThrGlnAlaSerLeuTyrLeuPheGluAlaThrGlyLysArgPhe	83
QY	241	TATTTCAAAATGTTGCCATTTTGAATTCCTGGAACATGGAAGACAAGGCTGACTATG	300
DB	84	TyrPheLysAsnValAlaIleLeuIleProGluThrTriPlysThrLysAlaAspTyrVal	103
QY	301	AGACCAAACTTGAGACCTACAAAATGCTGATGTTCTGGTCTGAGTCTACTCTCCA	360
DB	104	ArgProLysLeuGluThrTyrLysAsnAlaAspValLeuValAlaGluSerThrProPro	123
QY	361	GGTAATGATGAACCTACACTAGCAGAGTGGCAACTGTGGAGAGAGGTGAAGGATC	420
DB	124	GlyAsnAspGluProTyrThrGluGlnMetGlyAsnCysGlyGluLysGlyLysGlie	143
QY	421	CACCTCATCTCTGATTCAGAGAAAGTGTAGCTGAATATATGGAACCAAGTAGG	480
DB	144	HieLeuThrProAspPheIleAlaGlyLysLysLeuAlaGluTyrGlyProGlnGlyArg	163
QY	481	GCATTTGTCATCAGTGGGCTCATCTACGATGGGAGTATTTCCAGCAGTACATATGAT	540
DB	164	AlaPheValHieGluThrAlaHieLeuArgTyrGlyValPheAspGluTyrAsnAsnAsp	183
QY	541	GAGAAATCTTACTATTCATGGAAGAATACAAGCAGTAGTAAGTGTTCAGCAGGTATTACT	600
DB	184	GluLysPheTyrLeuSerAsnGlyArgGlieGlnAlaValArgCysSerAlaGlyIleThr	203
QY	601	GGTACAAATGTAGTAAGAGTGTCTAGGGAGGAGCTGTTTACACCAAAAGATCCATTC	660
DB	204	GlyThrAsnValValLysLysCysGlnGlySerCysTyrThrLysArgCysThrPhe	223
QY	661	AATAAAGTACAGGACTCTATGAAAAGGATGTAGTTTCTCCAAATCCCGCCAGAG	720
DB	224	AsnLysValThrGlyLeuTyrGluLysGlyCysGluPheValLeuGlnSerArgGlnThr	243
QY	721	GAGAAGCTTCTATAATGTTTGACACACATGTTGATTTCTATAGTTGAATTTCTACAGAA	780
DB	244	GluLysAlaSerIleMetPheAlaGlnHieValAspSerIleValGluPheCysThrGlu	263
QY	781	CAAAACACAAAGAGCTCCAAACAGCAAAATCAAAATGCAATCTCCGAAGCACA	840
DB	264	GlnAsnHieAsnLysGluAlaProAsnLysGlnAsnGlnLysCysAsnLeuArgSerThr	283
QY	841	TGGGAAGTGCATCGTATTCGAGGACTTTAAGAAACCACTCTATGACACACAGCCA	900
DB	284	TriPgluValIleArgAspSerGluAspPheLysLysThrThrPrometThrThrGlnPro	303
QY	901	CCAAATCCCACTTCTCATTTGTCGAGATTGGAACAAAGAAATTTGTGTTTAGTCTTGAC	960
DB	304	ProAsnProThrPheSerLeuLeuGlnIleGlyGlnArgIleValCysLeuValLeuAsp	323
QY	961	AAATCTGGAAGATGGGACTGGTAACCGCTCAATCGACTGAATCAAGCAGGCCAGCTT	1020
DB	324	LysSerGlySerMetAlaThrGlyAsnArgLeuAsnArgLeuAsnGlnAlaGlyGlnLeu	343
QY	1021	TTCTCTGTCGACAGACTTGAGCTGGGTCTCTGGTTGGATGGTGATTCATTTGACAGTGCT	1080
DB	344	PheLeuLeuGlnThrValGluLeuGlySerTyrValGlyWetValThrPheAspSerAla	363
QY	1081	GGCATTGTACAAAGTGAATCTATACAGATAACAGTGGGAGTGACAGGACACACTCGCC	1140
DB	364	AlaHieValGlnSerGluLeuIleGlnIleAsnSerGlySerAspArgAspThrLeuAla	383
QY	1141	AAAAGATTACCTCGCAGCAGCTTCAGGAGGAGCTCCATCTGCAGCGGGCTTCGATCGGCA	1200
DB	384	LysArgLeuProAlaAlaAlaSerGlyGlyThrSerIleCysSerGlyLeuArgSerAla	403
QY	1201	TTTACTGTCTATTAGGAAGAAATATCCAACTGATGATCTCAAAATTTGTGCTGACGGAT	1260
DB	404	PheThrValIleArgLysLysTyrProThrAspGlySerGluIleValLeuLeuThrAsp	423
QY	1261	GGGGAAGACAAACATATAAGTGGTCTTTACGAGGTCAAAAGTGGTGGCATCATC	1320
DB	424	GlyGluAspAsnThrIleSerGlyCysPheAsnGluValLysGlnSerGlyAlaIleIle	443
QY	1321	CACACAGTCGCTTTGGGGCCCTCTGCAGCTCAAGACTAGAGGAGCTGTCCAAAATGACA	1380
DB	444	HieThrValAlaLeuGlyProSerAlaAlaGlnGluLeuGluGluLeuSerLysMetThr	463
QY	1381	GGAGGTTTACACACATATCTTCAGATCAAGTTTCAGAACAAATGGCCTCATTTGCTTTT	1440
DB	464	GlyGlyLeuGlnThrTyrAlaSerAspGlnValGlnAsnAsnGlyLeuIleAspAlaPhe	483
QY	1441	GGGGCCCTTTTCATCAGGAATGAGCTGTCTCTCAGCGTCCATCCAGCTTGAGAGTAAG	1500
DB	484	GlyAlaLeuSerSerGlyAsnGlyAlaValSerGlnArgSerIleGlnLeuGluSerLys	503
QY	1501	CGATTAACTCCAGNACAGCCAGTGGATGTAATGGCACAGTGTCTGCAGCAGCAGCTG	1560
DB	504	GlyLeuThrLeuGlnAsnSerGlnTrpMetAsnGlyThrValIleValAspSerThrVal	523
QY	1561	GGAAAGGACACTTTGTTCTTATCACTCGACAAACCCAGCGCTCCCAAAATCTCTCTGG	1620
DB	524	GlyLysAspThrLeuPheLeuIleThrTrpThrThrGlnProGlnIleLeuLeuTrp	543
QY	1621	GATCCAGTGGACAGAAAGCAAGTGGCTTTGTAGTGGACAAAACACCAAAATGGGCTAC	1680
DB	544	AspProSerGlyGlnLysGlnGlyPheValValAspLysAsnThrLysMetAlaTyr	563
QY	1681	CTCCAAATCCAGGCAATCTTAAGTTGGCACTTGGAAATACAGTCTGCAAGCAAGCTCA	1740
DB	564	LeuGlnIleProGlyIleAlaLysValGlyThrTrpLysTyrSerLeuGlnAlaSerSer	583
QY	1741	CAAACTTCACCTGACTGTCACTCCCGTCCCAATGCTACCTCCCAATTCACCAATTACA	1800
DB	584	GlnThrLeuThrLeuThrValThrSerArgAlaSerAsnAlaThrLeuProProlIleThr	603
QY	1801	GTGACTTCCAAAACGAACAGACACCAAAATTCGCCAGCCCTCTGTAGTTTATGCA	1860
DB	604	ValThrSerLysThrAsnLysAspThrSerLysPheProSerProLeuValValTyrAla	623
QY	1861	AATATTCGCAAGAGCCCTCCCAATTTCTCGGGCCAGTGTACAGCCCTGATTGTAATCA	1920
DB	624	AsnIleArgGlnGlyAlaSerProIleLeuArgAlaSerValThrAlaLeuIleGluSer	643
QY	1921	GTGAATGGAAAAACAGTTACCTTGGAACTACTGGATAATGGAGCAGGTGCTGATGCTACT	1980
DB	644	ValAsnGlyLysThrValThrLeuGluLeuLeuAspAsnGlyAlaGlyAlaAspAlaThr	663
QY	1981	AAGGATGACGGTGTCTACTCAAGGTATTTCACACTTATGACACGAATGGTAGATCAGT	2040
DB	664	LysAspAspGlyValTyrSerArgTyrPheThrThrTyrAspThrAsnGlyArgTyrSer	683
QY	2041	GTAAAGTCGGGCTCTGGAGAGGTAAACGAGCCAGCGAGAGTATACCCAGCAG	2100
DB	684	ValLysValArgAlaLeuGlyGlyValAsnAlaAlaArgArgValIleProGlnGln	703
QY	2101	AGTGGAGCACTGTACATACCTGGCTGGATTGAGAATGATGAAATACAATGGAATCCACCA	2160

Db	704	SerGlyAlaLeuTyrIleProGlyTrpIleGluAsnAspGluIleGlnTrpAsnProPro	723
QY	2161	AGACCTGAAATTAATAAGGATGATGTTCAACACAAAGCAAGTGTGTTTCAGCAGAACATCC	2220
Db	724	ArgProGluIleAsnLysAspAspValGlnHisLysGlnValCysPheSerArgThrSer	743
QY	2221	TCGGGAGGCTCATTTGGGCTTCGTAGTCCCAAAATGCTCCCATACCTGATCTCTTCCCA	2280
Db	744	SerGlyGlySerPheValAlaSerAspValProAsnAlaProIleProAspLeuPhePro	763
QY	2281	CCTGGCCAAATCACCCACCTGAGGCGGAAATTCACGGGGCAGTCTCATTAATCTGACT	2340
Db	764	ProGlyGlnIleThrAspLeuLysAlaGluIleHisGlySerLeuIleAsnLeuThr	783
QY	2341	TGGACAGCTCCTGGGATGATTATGACCATGGAAACAGCTCACAAATATATCATTCGAATA	2400
Db	784	TrpThrAlaProGlyAspAspThrAspHisGlyThrAlaHisLysTyrIleIleArgIle	803
QY	2401	AGTACAAAGTATTCTTGATCTCAGACAGCAAGTTCAAATCTCTTCAAGTGAATACTACT	2460
Db	804	SerThrSerIleLeuAspLeuArgAspLysPheAsnGluSerLeuGlnValAsnThrThr	823
QY	2461	GCTCTCATCCAAAGCAACTCTGAGGAAGTCTTTTGTGTTTAAACACAGAAAACATT	2520
Db	824	AlaLeuIleProLysGluAlaAsnSerGluValPheLeuPheLysProGluAsnIle	843
QY	2521	ACTTTTGAATGGCACAGATCTTTTCATTGCTATTACAGGCTCTTGATAGGTCGATCTG	2580
Db	844	ThrPheGluAsnGlyThrAspLeuPheIleAlaIleGlnAlaValAspLysValAspLeu	863
QY	2581	AAATCAGAATATCCAACTTGACAGATATCTTTGTTTATTCCTCCACAGACTCCGCCA	2640
Db	864	LysSerGluIleSerAsnIleAlaArgValSerLeuPheIleProGlnThrProPro	883
QY	2641	GAGACACCTAGTCTGATGAAAGCTGCTGCTCTTGTCTTAAATTCATATCAACAGACC	2700
Db	884	GluThrProSerProAspGluThrSerAlaProCysProAsnIleHisIleAsnSerThr	903
QY	2701	ATTCTCGGATTCACATTTTAAATAATTATGTGAAGTGGATAGGAACTGCGAGCTGCA	2760
Db	904	IleProGlyIleHisIleLeuLysIleMetTrpLysTrpIleGlyGluIleGlnLeuSer	923
QY	2761	ATAGCC 2766	
Db	924	IleAla 925	

RESULT 2

US-10-106-698-6248

; Sequence 6248, Application US/10106698

; Publication No. US20030109690A1

; GENERAL INFORMATION:

; APPLICANT: Ruben et al.

; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide

; FILE REFERENCE: PA005P1

; CURRENT APPLICATION NUMBER: US/10/106,698

; PRIOR FILING DATE: 2002-03-27

; PRIOR APPLICATION NUMBER: PCT/US00/26524

; PRIOR FILING DATE: 2000-09-28

; PRIOR APPLICATION NUMBER: US 60/157,137

; PRIOR FILING DATE: 1999-09-29

; PRIOR APPLICATION NUMBER: US 60/163,280

; PRIOR FILING DATE: 1999-11-03

; NUMBER OF SEQ ID NOS: 8564

; SOFTWARE: PatentIn Ver. 3.0

; SEQ ID NO 6248

; LENGTH: 925

; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-106-698-6248

Alignment Scores:

Pred. No.: 0 Length: 925

Score:	4802.00	Matches:	922
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	94.53%	Indels:	0
DB:	14	Gaps:	0
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QY	1	GAAATCACAGGAGATGTACAGCAATGGGGCCATTTTAAGAGTTCTCTGTTTCATCTTGATT	60
Db	4	GluIleThrGlyArgCysThrAlaMetGlyProPheLysSerValPheIleLeuLe 23	
QY	61	CTTCACTTCTAGAGGGGCCCTGAGTAATTAATCACTCATTACAGCTGAACAACAATGGCTAT	120
Db	24	LeuHisLeuLeuGluGlyAlaLeuSerAsnSerLeuIleGlnLeuAsnAsnGlyTyr 43	
QY	121	GAAGGATTGTGTTGCAATCGACCCCAATGTGCCAGAGATGAAACACTCATTCAACAA	180
Db	44	GluGlyIleValValAlaIleAspProAsnValProGluAspGluThrLeuIleGlnGln 63	
QY	181	ATAAAGGACATGTTGACCCAGGCATCTCTGTATCTGTTTGAAGCTACAGGAAAGCCGATT	240
Db	64	IleLysAspMetValThrGlnAlaSerLeuTyrLeuPheGluAlaThrGlyLysArgPhe 83	
QY	241	TATTTCAAAATGTTGCCATTTTGAATTCCTGAACATGGAAGACAAAGGCTGACTATGTG	300
Db	84	TyrPheLysAsnValAlaIleLeuIleProGluThrTrpLysThrLysAlaAspTyrVal 103	
QY	301	AGACCAAACTTGAGACCTACAAAATGCTGATGTTCTGGTCTGAGTCTACTCTCTCCA	360
Db	104	ArgProLysLeuGluThrTyrLysAsnAlaAspValLeuValAlaGluSerThrProPro 123	
QY	361	GGTAATGATGAACCCCTACACTGAGCAGATGGGCAACTGTGGAGAGAGGTTGAAAGGATC	420
Db	124	GlyAsnAspGluProTyrThrGluGlnMetGlyAsnCysGlyGluLysGlyGluArgIle 143	
QY	421	CACCTCACCTCTGATTTTCATTGTCAGGAAAGAAAGTTAGCTGAATATGGACACAGGTAGG	480
Db	144	HisLeuThrProAspPheIleAlaGlyLysLeuAlaGluTyrGlyProGlnGlyArg 163	
QY	481	GCATTTGTCATGAGTGGGCTCATCTACGATGGGAGTATTTCCAGGTACATATGAT	540
Db	164	AlaPheValHisGluTrpAlaHisLeuArgTrpGlyValPheAspGluTyrAsnAsnAsp 183	
QY	541	GAGAAATTTCTACTTATCCAATGGAAGATACAGCAGTAGTAAGATGTTCCAGCAGGTATTACT	600
Db	184	GluLysPheTyrLeuSerAsnGlyArgIleGlnAlaValArgCysSerAlaGlyIleThr 203	
QY	601	GGTACAAATGTAGTAAAGAGTGTCAAGGAGGAGCTGTTTACACCAAAAGATGCACATTC	660
Db	204	GlyThrAsnValValLysLysCysGlnGlyLysSerCysTyrThrLysArgCysThrPhe 223	
QY	661	AATAAGTAAACAGGACTCTATGAAAAGGATGTAGTTGTTCTTCCCAATCCCCCAGACG	720
Db	224	AsnLysValThrGlyLeuTyrGluLysGlyCysGluPheValLeuGlnSerArgGlnThr 243	
QY	721	GAGAAGCTTCTATAATGTTTGACAAACATGTTGATTCTATAGTCTGAATCTGTACAGAA	780
Db	244	GluLysAlaSerIleMetPheAlaGlnHisValAspSerIleValGluPheCysThrGlu 263	
QY	781	CAAAACCAACAAGAAGCTCCAAACAAGCAAAATCAAAAATGCAATCTCCGAAGCACA	840
Db	264	GlnAsnHisAsnLysGluAlaProAsnLysGlnAsnGlnLysCysAsnLeuAspSerThr 283	
QY	841	TGGGAAGTATCGGTGATTTCTGAGGACTTTAAGAAAACCACTCCTATATGACAAACAGCCA	900
Db	284	TrpGluValIleArgAspSerGluAspPheLysLysThrProMetThrThrGlnPro 303	
QY	901	CCAAATCCCACTTCTCATTGCTGAGATTGGACAAAGAATTGTGTGTTTAGTCTTGAC	960
Db	304	ProAsnProThrPheSerLeuLeuGlnIleGlyGlnArgIleValCysLeuValLeuAsp 323	
QY	961	AAATCTGGAAGCATGGCGACTGGTAACCGCTCAATCGACTCAATCAAGCAGGCCAGCTT	1020

Db 324 LysSerGlySerMetAlaThrGlyAsnArgLeuAsnArgLeuAsnGlnAlaGlyGlnLeu 343
QY 1021 TTCCTCTGACAGACTGAGCTGGGTCTCTGGTTGGGATGTGACATTTGACAGTGCT 1080
Db 344 PheLeuLeuGlnThrValGluLeuGlySerTrpValGlyMetValThrPheAspSerAla 363
QY 1081 GCCATGTACAAGTCAATCATACAGATAAAGAGTGGAGTGCACAGGACACACTCGGC 1140
Db 364 AlaHisValGlnSerGluLeuIleGlnIleAsnSerGlySerAspArgAspThrLeuAla 383
QY 1141 AAAAGATTACCTGACAGCTTCAGGAGGACCTCCATCTGACGGGGCTTCGATCGGCA 1200
Db 384 LysArgLeuProAlaAlaSerGlyGlyThrSerIleCysSerGlyLeuArgSerAla 403
QY 1201 TTACTGTGATTAGGAAGAAATATCAACTGATGATCTGAATCTGCTGCTGACGAT 1260
Db 404 PheThrValIleArgIleGlySerProThrAspGlySerGluIleValLeuLeuThrAsp 423
QY 1261 GGGAGACACACATTAAGTGGTCTTTAAGAGGTCAACAAAGTGGTCCATCATC 1320
Db 424 GlyGluAspAsnThrIleSerGlyCysPheAsnGluValLysGlnSerGlyAlaIleIle 443
QY 1321 CACACAGTCTGCTTGGGGCTCTGACAGCTCAAGAACTAGAGGAGCTGCCAAAATGACA 1380
Db 444 HisThrValAlaLeuGlyProSerAlaAlaGlnGluLeuGluLeuSerLysMetThr 463
QY 1381 GGAGGTTTACAGACATATGCTTCAGATCAAGTTTCAAGAAATGGCTCATTTGATGCTTTT 1440
Db 464 GlyGlyLeuGlnThrIleAlaSerAspGlnValGlnAsnGlyLeuIleAspAlaPhe 483
QY 1441 GGGGCTTTCATCAGAAATGAGTCTCTCAGGGTCCATCCAGCTTCGAGTGAAGTAG 1500
Db 484 GlyAlaLeuSerSerGlyAsnGlyAlaValSerGlnArgSerIleGlnLeuGluSerLys 503
QY 1501 GGATTAACTCCAGAACCCAGTGGATGAATGGCACAGTGTCTGGACAGACCCGTG 1560
Db 504 GlyLeuThrLeuGlnAsnSerGlnTrpMetAsnGlyThrValIleValAspSerThrVal 523
QY 1561 GGAAGGACACTTGTCTTATCATCTGGACAAACGAGCTCCCAATCTCTCTCG 1620
Db 524 GlyLysAspThrLeuPheLeuIleThrTrpThrGlnProGlnIleLeuLeuTrp 543
QY 1621 GATCCAGTGGACAGAGAGTGGCTTGTAGTGGACAAACACCAAAATGGCTAC 1680
Db 544 AspProSerGlyGlnLysGlnGlyPheValValAspLysAsnThrLysMetAlaIle 563
QY 1681 CTCCTCAATCCAGGCAATGCTAAGTTGGCACTTGGAAATACAGTCTGCAAGCAAGCTCA 1740
Db 564 LeuGlnIleProGlyIleAlaLysValGlyThrTrpLysTySerLeuGlnAlaSerSer 583
QY 1741 CAACTTGACCTGACTGTGACGTCCTGGTGGTCCAAATGCTACCTGCTCCCAATTACA 1800
Db 584 GlnThrLeuThrLeuThrValThrSerArgAlaSerAsnAlaThrLeuProIleThr 603
QY 1801 GTGACTTCCAAACGACAGGACACAGCAATTCAGGCTCCAGCCCTCTGGTGTATGCA 1860
Db 604 ValThrSerLysThrAsnLysAspThrSerLysPheProSerProLeuValValTyAla 623
QY 1861 AATATTCCGCAAGGAGCTCCCAATCTCAGGGCCAGTGTACAGCCCTGATTGAATCA 1920
Db 624 AsnIleArgGlnGlyAlaSerProIleLeuArgAlaSerValThrAlaLeuIleGluSer 643
QY 1921 GTGAATGGAAAAACGTTACTTCTGGAACTACTGGATAATGGAGCAGGTGCTGATGCTACT 1980
Db 644 ValAsnGlyLysThrValThrLeuGluLeuLeuAspAsnGlyAlaGlyAlaAspAlaThr 663
QY 1981 AGGATGACGGTCTTACTCAAGTATTTCACAGCTTATGACACGATGGTAGATACAGT 2040
Db 664 LysAspAspGlyValTySerArgTyPheThrThrTyAspThrAsnGlyArgTySer 683
QY 2041 GTAAAAAGTGGGGCTCTGGGAGAGTAAACGACGAGGAGAGTATACCCAGCAG 2100

Db 684 ValLysValArgAlaLeuGlyGlyValaAsnAlaAlaArgArgValIleProGlnGln 703
QY 2101 ACTGGAGCACTTACATACCTGCTGGATTGAGATGATGAATACAATGGATCCACCA 2160
Db 704 SerGlyAlaLeuTyIleProGlyTrpIleGluAsnAspGluIleGlnTrpAsnProPro 723
QY 2161 AGACCTGAAATTAATAAGGATGATGTTCAACAAGCAAGTGTGTTTTCAGCAGAACATCC 2220
Db 724 ArgProGluIleAsnLysAspValGlnHisLysGlnValCysPheSerArgThrSer 743
QY 2221 TCGGAGGCTCATTTGTGCTTCTGATGTCCTCAATGTCCTCCATCCTGATCTTCCCA 2280
Db 744 SerGlyGlySerPheValAlaSerAspValProAsnAlaProIleProAspLeuPhePro 763
QY 2281 CTGGCCAAATCACGACCTGAAGCGGAAATTCACGGGGCAGTCTCATTAATCTGACT 2340
Db 764 ProGlyGlnIleThrAspLeuLysAlaGluIleHisGlySerLeuIleAsnLeuThr 783
QY 2341 TGCACAGCTCTCGGGGATGATTATGACCATGCAACAGCTCACAAGTATATCATTCGAATA 2400
Db 784 TrpThrAlaProGlyAspAspTyAspHisGlyThrAlaHisLysTyIleIleArgIle 803
QY 2401 AGTACAAGTATTTCTTCATCTCAGACACAAAGTTCAATGAATCTCTTCAAGTGAATACTACT 2460
Db 804 SerThrSerIleLeuAspLeuArgAspLysPheAsnGluSerLeuGlnValaAsnThrThr 823
QY 2461 GCTCTCATCCAAAGAGCAACTCTGAGGAAGTCTTTTGTGTTTAAACAGAAACATT 2520
Db 824 AlaLeuIleProLysGluAlaAsnSerGluGluValPheLeuPheLysProGluAsnIle 843
QY 2521 ACTTTTGAATGGCACAGATCTTTTTCATTGCTTATTGAGGCTGTTGATAGGTCGATCTG 2580
Db 844 ThrPheGluAsnGlyThrAspLeuPheIleAlaIleGlnAlaValAspLysValAspLeu 863
QY 2581 AAATCAGAAATATCAACATTCACAGAGTATCTTTTATTCTCTCCACAGACTCCGCCA 2640
Db 864 LysSerGluIleSerAsnIleAlaArgValSerLeuPheIleProGlnThrProPro 883
QY 2641 GAGACACCTAGTCTGTGATGAAACGCTGCTGCTTCTTCTTAATATTCATATCAACAGACC 2700
Db 884 GluThrProSerProAspGluThrSerAlaProCysProAsnIleHisIleAsnSerThr 903
QY 2701 ATTCTCGGCAATTCACATTTTAAATAATGTCGAAGTGTAGGAGAACTGCAGCTGTCA 2760
Db 904 IleProGlyIleHisIleLeuLysIleMetTrpIleGlyGluLeuGlnLeuSer 923
QY 2761 ATAGCC 2766
Db 924 IleAla 925
RESULT 3
US-09-823-356-8
; Sequence 8, Application US/09823356
; Patent No. US2001002509A1
; GENERAL INFORMATION:
; APPLICANT: Tang Y. Tom
; APPLICANT: Bandman, Olga
; APPLICANT: Lal, Preeti
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Yue, Henry
; APPLICANT: Corley, Neil C.
; APPLICANT: Guegler, Karl J.
; APPLICANT: Kaser, Matthew R.
; APPLICANT: Baughn, Mariah R.
; APPLICANT: Shah, Purvi
; TITLE OF INVENTION: HUMAN MEMBRANE SPANNING PROTEINS
; FILE REFERENCE: PF-0489-1 CON
; CURRENT APPLICATION NUMBER: US/09/823,356
; CURRENT FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/039,307
; PRIOR FILING DATE: 1998 March 13
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PERL Program

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; SEQ ID NO 8
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20010025098A1 1737775
US-09-823-356-8

Alignment Scores:
Pred. No.: 0 Length: 914
Score: 4759.00 Matches: 914
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 93.68% Indels: 0
DB: 9 Gaps: 0

US-09-049-696-18 (1-2813) x US-09-823-356-8 (1-914)
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DB 21 SerAsnSerLeuIleGlnLeuAsnAsnGlyTyrGluGlyIleValValAlaIleAsp 40
QY 145 CCCAATGTGCGAGAGATGAACACTCATTCAACAAATAAAGGACATGTTGACCCAGGCA 204
DB 41 ProAsnValProGluAspGluThrLeuIleGlnGlnIleLysAspMetValThrGlnAla 60
QY 205 TCTCTGTATCTGTTGAAGCTACAGAAAGCGATTTTATTTCAAAATGTTGCCATTTTG 264
DB 61 SerLeuTyrLeuPheGluAlaThrGlyLysArgPheTyrPheLysAsnValAlaIleLeu 80
QY 265 ATTCCTGAAACATGGAAGCAAGGCTGACTATGTGAGACCAAACTTGAGACTACAAA 324
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QY 325 AATGCTGATGTTCTGCTGCTGAGTCTACTCTCCAGGTAAATCATGAACCCCTACACTGAG 384
DB 101 AsnAlaAspValLeuValAlaGluSerThrProProGlyAsnAspGluProTyrThrGlu 120
QY 385 CAGATGGGCAACTGTGGAGAGAGGGTGAAGGATCCACTCTACTCTGATTTTCATGCA 444
DB 121 GlnMetGlyAsnGlyGluLysGlyGluArgIleHisLeuThrProAspPheIleAla 140
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QY 805 ACAACGAAATCAAAATGCAATCTCCGAGCAGCATGGGAAGTGAATGCGTGAATCTGAG 864
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DB 261 AsnLysGlnAsnGlnLysCysAsnLeuArgSerThrTrpGluValIleArgAspSerGlu 280
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DB 421 CysPheAsnGluValLysGlnSerGlyAlaIleHisThrValAlaLeuGlyProSer 440
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QY 1885 ATTCTCAGGGCCAGTGTACAGCCCTGATGATCAATGATGAAATGAAAAACAGTTACCTTG 1944
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QY 2005 TATTTTCAACACTTATGACACGAATGGTAGATACAGTGTAAAGTGGGGCTCTGGGAGGA 2064
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QY 2065 GTTAACGCGACGACGAGAGTGATACCCACAGAGTGGAGCAGCTGTACATACCTGGC 2124
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QY 2125 TGGATTGAGATGATCAATACAAATGGAATCCACCAAGACCTCAAAATTAATAGGATGAT 2184
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US-09-981-353-192
; Sequence 192, Application US/09981353
; Patent No. US20020160382A1
; GENERAL INFORMATION:
; APPLICANT: Lasek, Amy W.
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0038 US
; CURRENT APPLICATION NUMBER: US/09/981,353
; CURRENT FILING DATE: 2001-10-11
; NUMBER OF SEQ ID NOS: 194
; SOFTWARE: PERL Program
; SEQ ID NO 192
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20020160382A1 1737775CD1
US-09-981-353-192
Alignment Scores:
Pred. No.: 0 Length: 914
Score: 4759.00 Matches: 914
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 93.68% Indels: 0
DB: 9 Gaps: 0
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QY 85 AGTAATTCTCATTCAGCTGAAACAACATGGCTATGAAGGCATTCGTTGCAATCGAC 144
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RESULT 5

US-09-833-245-2054
; Sequence 2054, Application US/09833245
; Publication No. US20040010134A1
; GENERAL INFORMATION:
; APPLICANT: Human Genome Sciences, Inc.
; TITLE OF INVENTION: Albumin Fusion Proteins
; FILE REFERENCE: PF546PCT
; CURRENT APPLICATION NUMBER: US/09/833,245
; CURRENT FILING DATE: 2001-04-12
; PRIOR APPLICATION NUMBER: 60/229, 358
; PRIOR FILING DATE: 2000-04-12
; PRIOR APPLICATION NUMBER: 60/256, 931
; PRIOR FILING DATE: 2000-12-21
; PRIOR APPLICATION NUMBER: 60/199, 384
; PRIOR FILING DATE: 2000-04-25
; NUMBER OF SEQ ID NOS: 2267
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2054

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; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-833-245-2054

Alignment Scores:
Pred. No.: 0 Length: 914
Score: 4759.00 Matches: 914
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 93.68% Indels: 0
DB: 11 Gaps: 0

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DB 61 SerLeuTyLeuPheGluAlaThrGlyLysArgPheTyPheLysAsnValAlaIleLeu 80
QY 265 ATTCTGTAACATGGAAGCAAGGCTGACTATGTGAGACCAAACTTCAGACCTACAAA 324
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QY 325 AATGCTGATGTTCTGCTGAGTCTACTCTCCAGGTAATGATGAACCCCTACACTGAG 384
DB 101 AsnAlaAspValLeuValAlaGluSerThrProGlyAsnAspGluProTyThrGlu 120
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DB 121 GlnMetGlyAsnGlyGluLysGlyGluArgIleHisLeuThrProAspPheIleAla 140
QY 445 GGAATAAGTTAGCTCAATATGACACCAAGGTAGGSCATTTCTCCATGAGTGGGCTCAT 504
DB 141 GlyLysLeuAlaGluTyGlyProGlnGlyArgAlaPheValHisGluTrpAlaHis 160
QY 505 CTACGATGGGGAGTATTGACGAGTACAATAATGATGAGAAATTTCTACTTATCCAATGGA 564
DB 161 LeuArgTrpGlyValPheAspGluTyAsnAsnAspGluLysPheTyLysSerAsnGly 180
QY 565 AGAATACAGCAGTAAAGTTTCAGCAGGTATTACTGGTACAAATGTAGTAAAGAGTGT 624
DB 181 ArgIleGlnAlaValArgCysSerAlaGlyIleThrGlyThrAsnValValLysLysCys 200
QY 625 CAGGGAGGAGCTGTTACACCAAAAGATGACATTCATTAAGTAAACGACTCTATGAA 684
DB 201 GlnGlyGlySerCysTyThrLysArgCysThrPheAsnLysValThrGlyLeuTyGlu 220
QY 685 AAAGGATGTGAGTTTGTCTCCAAATCCCGCAGCAGAGAGGCTTCTATAATGTTTGCA 744
DB 221 LysGlyCysGluPheValLeuGlnSerArgGlnThrGluLysAlaSerIleMetPheAla 240
QY 745 CAACATGTTGATTTCTATAGTTGAATTTCTGTACAGAACAAACCAACAAAGAGCTCCA 804
DB 241 GlnHisValAspSerIleValGluPheCysThrGluGlnAsnHisAsnLysGluAlaPro 260
QY 805 AACAAACAAAATCAAAATGCAATCTCCGAAGCACATGGGAAGTATCGTGTATCTGAG 864
DB 261 AsnLysGlnAsnGlnLysCysAsnLeuArgSerThrTrpGluValIleArgAspSerGlu 280
QY 865 GACTTTTAAGAAAACCACTCTCATGACAACACAGCCCAAAATCCCACTTCTCATTTGCTG 924
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QY 925 CAGATTGGCAAAAGATTGTTGTTTAGTCTTGACAAATCTGGAAGCATGGCACTGGT 984
DB 301 GlnIleGlyGlnArgIleValCysLeuValLeuAspLysSerGlySerMetAlaThrGly 320
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QY 1045 GGGTCTCTGGTTGGGATGGTGATTTGACAGTGTGCCCATGTACAAAGTGAAGTACTATA 1104
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DB 361 GlnIleAsnSerGlySerAspArgThrLeuAlaLysArgLeuProAlaAlaAspSer 380
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Db 681 ValAsnAlaAlaArgArgValProGlnSerGlyAlaLeuTyrlleProGly 700
QY 2125 TGGATTGAGAAATGATGAATACAAATGGAATCCCAAGACCTGAAATTAATAAGATGAT 2184
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Db 901 IleMetTrpLysTrpIleGlyGluLeuGlnLeuSerIleAla 914
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RESULT 6

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US-10-235-994-26
; Sequence 26, Application US/10235994
; Publication No. US20030101002A1
; GENERAL INFORMATION:
; APPLICANT: Bartha, Gabor
; APPLICANT: Walker, Michael
; TITLE OF INVENTION: METHODS FOR ANALYZING GENE EXPRESSION PATTERNS
; FILE REFERENCE NUMBER: US/10/235,994
; CURRENT APPLICATION NUMBER: 2002-09-04
; CURRENT FILING DATE: 2002-09-04
; PRIOR APPLICATION NUMBER: US/10/003,608
; PRIOR FILING DATE: 2001-11-01
; PRIOR APPLICATION NUMBER: 60/245,081
; PRIOR FILING DATE: 2000-11-01
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: Fast-Seq for Windows Version 4.0
; SEQ ID NO 26
; LENGTH: 914
; TYPE: PRT
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; ORGANISM: Human

US-10-235-994-26

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Alignment Scores:
Pred. No.: 0 Length: 914
Score: 4759.00 Matches: 914
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 93.68% Indels: 0
DB: 14 Caps: 0
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US-09-049-696-18 (1-2813) x US-10-235-994-26 (1-914)

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QY 85 AGTAATCTCACTCACTTCACTGAGCAACAATGGCTATGAGGCACTTCTCGTGTGAATCGAC 144
Db 21 SerAsnSerLeuIleGlnLeuAsnAsnGlyTyrGluGlyIleValValAlaIleAsp 40
QY 145 CCCAATGTGCGAAGATGAACACATTCATTCAACAAATAAAGACATGGTGACCCAGGCA 204
Db 41 ProAsnValProGluAspGluThrLeuIleGlnIleLysAspMetValThrGlnAla 60
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QY 805 ACAACGAAATCAAAAAATGCAATCTCCGAGCAGCATGGAAGTGTATCGTGTATCTGAG 864
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QY 865 GACTTTAAGAAACCACTCTCTATGACACACAGCCCAACCAATCCCACTTCTCATGCTG 924
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Db 661 TyrPheThrThrTyrAspThrAsnGlyArgTyrSerValLysValArgAlaLeuGlyGly 680
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RESULT 8

US-09-922-217-1066
; Sequence 1066, Application US/09922217
; Patent No. US20020076414A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather
; APPLICANT: Benson, Darin R.
; APPLICANT: Meagher, Madeleine Joy
; APPLICANT: Stolk, John A.
; APPLICANT: Wang, Tongtong
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Smith, Carole Lynn
; APPLICANT: King, Gordon E.
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; TITLE OF INVENTION: OF COLON CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.471C13
; CURRENT APPLICATION NUMBER: US/09/922.217
; CURRENT FILING DATE: 2001-08-03
; NUMBER OF SEQ ID NOS: 1124

; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1066
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-922-217-1066
Alignment Scores:
Pred. No.: 0 Length: 914
Score: 4756.00 Matches: 913
Percent Similarity: 100.00% Conservative: 1
Best Local Similarity: 99.89% Mismatches: 0
Query Match: 93.62% Indels: 0
DB: 9 Gaps: 0

US-09-049-696-18 (1-2813) x US-09-922-217-1066 (1-914)

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2065	GTTAACGACGCCAGACGAGAGGTATACCCACGACAGAGTGAGCACTGTATACACTGGC	2124
681	ValAsnAlaAlaArgArgArgValIleProGlnGlnSerGlyAlaLeuTyrIleProGly	700
2125	TGGAATGAGAATGATGAATACAAATGGAATCCACCAAGACCTGAAATTAATAGGATGAT	2184
701	TrpIleGluAsnAspGluIleGlnTrpAsnProProArgProGluIleAsnLysAspAsp	720
2185	GTTCACACAAAGCAAGTGTCTTCACAGAAACATCCTCGGAGGCTCATTTGTGGCTTCT	2244
721	ValGlnHisLysGlnValCysPheSerArgThrSerSerGlyGlySerPheValAlaSer	740
2245	GATGTCCCAAATGCTCCCATACCTGATCTCTCCCACTGGCCAAATCACCGACCTGAAG	2304
741	AspValProAsnAlaProIleProAspLeuPheProProGlyGlnIleThrAspLeuLys	760
2305	GCGGAAATTCACGGGGCAGTCTCATTAATCTGACTTTGGACAGCTCTCGGGAGTATAT	2364
761	AlaGluIleHisGlyGlySerLeuIleAsnLeuThrTrpThrAlaProGlyAspAspTyr	780
2365	GACCATGGAACTCACAGTATATATCATTCGAATAGTACAAGTATCTTGATCTCAGA	2424
781	AspHisGlyThrAlaHisLysTyrIleIleArgIleSerThrSerIleLeuAspLeuArg	800
2425	GACAAGTTCAATGAATCTCTTCAAGTGAATPACTGCTCTCATCCCAAAGGAAGCCAAAC	2484
801	AspLysPheAsnGluSerLeuGlnValAsnThrThrAlaLeuIleProLysGluAlaAsn	820
2485	TCTCAGGAAGTCTTTTGTGTTTAAACCAGAAAAATTAATCTTTTGAAATGGCAGATCTTT	2544
821	SerGluGluValPheLeuPheLysProGluAsnIleThrPheGluAsnGlyThrAspLeu	840
2545	TTCAATGCTATTACAGCTGTTGATAGGTGATCTGAAATCAGAAATATCCAACTTGCA	2604
841	PheIleAlaIleGlnAlaValAspLysValAspLeuLysSerGluIleSerAsnIleAla	860
2605	CGAGTATCTTTGTTTATCTCCACAGACTCCGCCAGAGACACTAGTCTGTAGTAAACG	2664
861	ArgValSerLeuPheIleProProGlnThrProProGluThrProSerProAspGluThr	880
2665	TCTGCTCTTTGTCCTTAATATTCATATCAACAGACCACTTCTCGGCATTCACATTTAA	2724
881	SerAlaProCysProAsnIleHisIleAsnSerThrIleProGlyIleHisIleLeuLys	900
2725	ATTATGTGGAAAGTGGATAGGAGAACTGCAGCTCTCAATAGCC	2766
901	IleMetTrpLysTrpIleGlyGluLeuGlnLeuSerIleAla	914

RESULT 9
 US-09-833-263-1066
 , Sequence 1066, Application US/09833263
 , Patent No. US20020110547A1
 , GENERAL INFORMATION:
 , APPLICANT: Wang, Aijun
 , APPLICANT: Clapper, Jonathan D.
 , APPLICANT: Stoik, John A.
 , APPLICANT: Meagher, Madeleine J.
 , TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND
 , TITLE OF INVENTION: DIAGNOSIS OF COLON CANCER AND METHODS FOR THEIR USE
 , FILE REFERENCE: 210121.471C12
 , CURRENT APPLICATION NUMBER: US/09/833,263
 , CURRENT FILING DATE: 2001-04-10
 , NUMBER OF SEQ ID NOS: 1093
 , SOFTWARE: FastSeq for Windows Version 3.0
 , SEQ ID NO 1066
 , LENGTH: 914

Qy	2005	TATTTCACAACTTATGACACGAATGGTAGATACAGTGTAAAGTGC	2064
Db	661	TyrPheThrThrTyrAspThrAsnGlyArgTyrSerVallysVala-gAlaLeuGlyGly	680
Qy	2065	GTTTAAACGACGCCAGACGGAGTGATACCCACAGACAGAGTGAGCACATGTACATACCTGGC	2124
Db	681	ValAsnAlaAlaArgA-gA-gValIleProGlnGlnSerGlyAlaLeuTyrIleProGly	700
Qy	2125	TGGATTGAGAAATGATGAAATACAAATGAAATCCCAAGACCTGAAAATTAATAAGGATGAT	2184
Db	701	TrpIleGluAsnAspGluIleGlnTrpAsnProProArgp-oGluIleAsnLysAspAsp	720
Qy	2185	GTTCACACAAAGCAAGTGTGTTTCAGCAGAAACATCTCTCGGAGAGCTCATTTGGGCTTCT	2244
Db	721	ValGlnHisLysGlnValCysPheSerArgThrSerSerGlyGlySerPheValAlaSer	740
Qy	2245	GATGTCCCAAAATGCTCCCATACCTGATCTCTTCCACCTCGCCAAAATCACCAGCTCAAG	2304
Db	741	AspValProAsnAlaProIleProAspLeuPheProGlyGlnIleThrAspLeuLys	760
Qy	2305	CGCGAAATTCACGGGGCAGTCTCATTAATCTGACTTGGACAGCTCTCGGGGATGATTAT	2364
Db	761	AlaGluIleHisGlyGlySerLeuIleAsnLeuThrTrpThrAlaProGlyAspAspTyr	780
Qy	2365	GACCATCGAACAGCTCAACAGTATATCATTCGAATAAGTCAAGTATCTTGTGATCTCAGA	2424
Db	781	AspHisGlyThrAlaHisLysTyIleIleArgIleSerThrSerIleLeuAspLeuArg	800
Qy	2425	GACAAAGTTCAATGAATCTCTCAAGTCAATACTACTCTCTCATCCCAAAGGAGCCAAC	2484
Db	801	AspLysPheAsnGluSerLeuGlnValAsnThrThrAlaLeuIleProLysGluAlaAsn	820
Qy	2485	TCTGAGGAAGTCTTTTGTTTTAAACACAGAAAACTACTTTGAAAAATGACACAGATCTT	2544
Db	821	SerGluGluValPheLeuPheLysProGluAsnIleThrPheGluAsnGlyThrAspLeu	840
Qy	2545	TTCATTCGTATTCAGGCTGTTGTGATAAGGTGCATCTGAAATCAGAAATATTCACATTCGA	2604
Db	841	PheIleAlaIleGlnAlaValAspLysValAspLeuLysSerGluIleSerAsnIleAla	860
Qy	2605	CGAGTATCTTTGTTTATTCTCCACAGACTCCGCGACAGACACTGCTGATGAAACG	2664
Db	861	ArgValSerLeuPheIleProGlnThrProProGluThrProSerProAspSerGluThr	880
Qy	2665	TCTGCTCTTGTCTCTAATATTTCATATCAACAGCACCATTCCTGGCATTCACATTTAAAA	2724
Db	881	SerAlaProCysProAsnIleHisIleAsnSerThrIleProGlyIleHisIleLeuLys	900
Qy	2725	ATTATGTGGAAGTGGATAGGAGAACTGCAGCTGTCAATAGCC	2766
Db	901	IleMetTrpLysTrpIleGlyGluLeuGlnLeuSerIleAla	914

RESULT 10

	US-10-025-380-1066	
/ ;	Sequence 1066, Application US/10025380	
/ ;	Publication No. US20020182191A1	
/ ;	GENERAL INFORMATION:	
/ ;	APPLICANT: Xu, Jiangchun	
/ ;	APPLICANT: Lodes, Michael J.	
/ ;	APPLICANT: Secrist, Heather	
/ ;	APPLICANT: Benson, Darin R.	
/ ;	APPLICANT: Meagher, Madeleine Joy	
/ ;	APPLICANT: Stolk, John A.	
/ ;	APPLICANT: Wang, Tongtong	
/ ;	APPLICANT: Jiang, Yuqiu	
/ ;	APPLICANT: Smith, Carole L.	
/ ;	APPLICANT: King, Gordon E.	
/ ;	APPLICANT: Wang, Aijun	
/ ;	APPLICANT: Clapper, Jonathan D.	
/ ;	APPLICANT: Skeiky, Yasir A. W.	
/ ;	APPLICANT: Fanger, Gary R.	
/ ;	APPLICANT: Vedvick Thomas S.	
/ ;	APPLICANT: Carter, Darrick	

Dd	GlyLysLeuAlaGluTyrGlyProGlnGlyLysAlaPheValHisGluTrpalaHIS	160
Qy	CTACGATGGCGAGTTATTGCACGAGTACAATAATCATGTAGAATTCCTACTTATCCCAATGA	564
Dd	LauargTrpGlyvalPheaspGluTyrrhenanasnaspGluluypheTYrleusSerhengLy	180
Qy	AGAATACAAGCAGTAAGATGTTTCAGCACGCTATTACTGGTGACAAATGTTAGTAAGAAGTGT	624
Dd	ArgileelnAlavalArCysserAlaGliylleThrGlyThrasnValValllysycS	200
Qy	CAGGGAGGCCAGCTGTTTACACCAAAAGATGCACATTCATAAAGTAGAACAGGACTCATGNA	684
Dd	GlnGlyglyserCYstYrThrLYsarGYSThrPhEsnLYsaVaThrGLyleutyrgLu	220
Qy	AAAGGATGTGAGTTTGTTCTCCAATCCCCCAGACGAGGAAGGCTTCTATATATGTTTTGCA	744
Dd	LysGlycysgluphevallleuglinserrargGlinThrGluIysalSerllemetPheHa	240
Qy	CAAATGTTTGATTCTATAGTTGAATTCGTACAGAACAAAAACCAACAAAGAAGCTCCA	804

241 GlnHisValAspSerIleValGluPheCysThrGluGlnAsnHisAsnLysGluAlaPro 260
QY
805 ACAACCAAAATCAAAATCCATCTCCGAGCACATGGAGTGTATCGTATCTGAG 864
Db
261 AsnLysGlnAsnGlnLysCysAsnLeuArgSerThrTrpGluValIleArgAspSerGlu 280
QY
865 GACTTTAAAGAAACCACTCTATGACAAACACAGCCACCAATCCACCTTCTCATTTGCTG 924
Db
281 AspPheLysLysThrThrProMetThrThrGlnProProAsnProThrPheSerLeuLeu 300
QY
925 CAGATTGGACAAAGATTGTGTTTGTGCTTTGACAAATCTGGAAGCATGGCAGCTGT 984
Db
301 GlnIleGlyGlnArgIleValCysLeuValLeuAspLysSerGlySerMetAlaThrGly 320
QY
985 AACCGCTCAATCGATGATCAATCAAGCAGCCAGCTTTTCTGCTGACAGCTGTGAGCTG 1044
Db
321 AsnArgLeuAsnArgLeuAsnGlnAlaGlyGlnLeuPheLeuLeuGlnThrValGluLeu 340
QY
1045 GGGTCTCTGGGTGGGATGGTGACATTTGACAGTGTCTGCCATGTACAAAGTGAACCTCAT 1104
Db
341 GlySerTrpValGlyMetValThrPheAspSerAlaAlaHisValGlnSerGluLeuIle 360
QY
1105 CAGATAACAGTGGCAGTGCAGGACACACATCGCCAAAGATTACTCGCAGCAGCTTCA 1164
Db
361 GlnIleAsnSerGlySerAspAlaGspThrLeuAlaLysArgLeuProAlaAlaSer 380
QY
1165 GAGGAGCAGTCCATCTGCAGCGGGCTCGATCGGCATTTACTGTGATTAGGAATAAT 1224
Db
381 GlyGlyThrSerIleCysSerGlyLeuArgSerAlaPheThrValIleArgLysLysTyr 400
QY
1225 CCAACTGATGGATCTCAAAATTTGCTGTGACGGATGGGGAACACACTATAAGTGG 1284
Db
401 ProThrAspGlySerGluIleValLeuLeuThrAspGlyGluAspAsnThrIleSerGly 420
QY
1285 TGCTTTAACGAGTCAAAAGTGTGGCATCATCCACAGTGCCTTTGGGGCCCTCT 1344
Db
421 CysPheAsnGluValLysGlnSerGlyAlaIleIleHisThrValAlaLeuGlyProSer 440
QY
1345 GCAGCTCAAGAACTAGAGAGCTGTCCAAATGACAGAGGTTTACAGACATATGTTCA 1404
Db
441 AlaAlaGlnGluLeuGluLeuSerLysMetThrGlyGlyLeuGlnThrTyrAlaSer 460
QY
1405 GATCAAGTTTCAGAACCAATGGCTCATTTGCTTTTGGGGCCCTTTTCATCAGGAATGA 1464
Db
461 AspGlnValGlnAsnAsnGlyLeuIleAspAlaPheGlyAlaLeuSerSerGlyAsnGly 480
QY
1465 GCTGTCTCTCAGCGCTCCATCCAGCTTGAGAGTAAGGATTAACCTCCAGAACAGCCAG 1524
Db
481 AlaValSerGlnArgSerIleGlnLeuGluSerLysGlyLeuThrLeuGlnAsnSerGln 500
QY
1525 TGGATGAATGGCAGTGTGAGCAGCAGCAGCGTGGAAAGACACTTTGTTTCTTATC 1584
Db
501 TrpMetAsnGlyThrValIleValAspSerThrValGlyLysAspThrLeuPheLeuIle 520
QY
1585 ACCGTGACACAGCAGCTCCCAAAATCTTCTCTGGGATCCAGTGCAGAGCAAGGT 1644
Db
521 ThrTrpThrThrGlnProGlnIleLeuLeuLeuTrpAspProSerGlyGlnLysGlnGly 540
QY
1645 GGGTTTGTAGTGACAAAAACCAAAATGGCCCTACTCTCAAAATCCAGGCATTGTGAAG 1704
Db
541 GlyPheValValAspLysAsnThrLysMetAlaTyrLeuGlnIleProGlyIleAlaLys 560
QY
1705 GTTGGCACTTGGAAATACAGTGTGCAAGCAAGTGTCAAAACCTTGACCTGACTGTACG 1764
Db
561 ValGlyThrTrpLysThrSerLeuGlnAlaSerSerGlnThrLeuThrLeuThrValThr 580
QY
1765 TCCGTGTGCGTCAATGCTACCTCGCTCCAAATACAGTACTTCCAAAGCAAGCAAGGAC 1824
Db
581 SerArgAlaSerAsnAlaThrLeuProProIleThrValThrSerLysThrAsnLysAsp 600
QY
1825 ACCAGCAAAATCCCGACCTCTGGTAGTTTATGCAAAATATTCGCAAGAGCGCTCCCA 1884
Db
601 ThrSerLysPheProSerProLeuValValTyrAlaAsnIleArgGlnGlyAlaSerPro 620

1885 ATTCTCAGGGCCAGTGTACAGCCCTGATTGAATCAGTGAATGGAATAACAGTTACTCTTG 1944
Db
621 IleLeuArgAlaSerValThrAlaLeuIleGluSerValAsnGlyLysThrValThrLeu 640
QY
1945 GAACTACTGGATAATGGAGCAGGTCTGATCTACTACTAAGGATGACGGTCTCTACTCAAG 2004
Db
641 GluLeuLeuAspAsnGlyAlaGlyAlaAspAlaThrLysAspAspGlyValTyrSerArg 660
QY
2005 TATTTCAACACTTATGACAGAAATGGTAGATACAGTGTAAAAAGTGGGGCTCTGGAGGA 2064
Db
661 TyrPheThrThrTyrAspThrAsnGlyArgTyrSerValLysValArgAlaLeuGlyGly 680
QY
2065 GTTAAACGACGACGAGAGTGTATACCCAGCAGAGTGGAGCACTGTACATACCTGGC 2124
Db
681 ValAsnAlaAlaArgArgValIleProGlnGlnSerGlyAlaLeuTyrIleProGly 700
QY
2125 TGGATTGAGATGATGAAATACAATGGAATCCACCAAGACCTGAAATTAATAGGATGAT 2184
Db
701 TrpIleGluAsnAspGluIleGlnTrpAsnProProArgProGluIleAsnLysAspAsp 720
QY
2185 GTTCAACACAGCAAGTGTGTTTCAGCAACAATCTCTCGGAGGCTCATTTGGGTTCT 2244
Db
721 ValGlnHisLysGlnValCysPheSerArgThrSerSerGlyGlySerPheValAlaSer 740
QY
2245 GATGTCCCAAAATGCTCCCATACCTGATCTCTCCACCTGGCCAAATCACCCACCTGAAG 2304
Db
741 AspValProAsnAlaProIleProAspLeuPheProProGlyGlnIleThrAspLeuLys 760
QY
2305 GCGGAAATTCACGGGGGAGTCTCATTAATCTGACTTGGACAGCTCTCGGGATGATAT 2364
Db
761 AlaGluIleHisGlySerLeuLeuLeuThrTrpThrAlaProGlyAspAspTyr 780
QY
2365 GACCATGGAAACAGCTCAAGTATATCATTCGAATAAGTACAAATTTCTTGAATCTCAGA 2424
Db
781 AspHisGlyThrAlaHisLysTyrIleIleArgIleSerThrSerIleLeuAspLeuArg 800
QY
2425 GACAAAGTTCAATGAATCTCTCAAGTGAATACTACTGCTCTCATCCCAAGGAAGCAAC 2484
Db
801 AspLysPheAsnGluSerLeuGlnValAsnThrThrAlaLeuIleProLysGluAlaAsn 820
QY
2485 TCTGAGGAAGTCTTTTGTTTAAACCCAGAAAAACATTACTTTTGAATAATGGCAGATCTT 2544
Db
821 SerGluGluValPheLeuPheLysProGluAsnIleThrPheGluAsnGlyThrAspLeu 840
QY
2545 TTCATTGCTATTTCAGGCTGTTGATAGTTCGATCTGAAATCAGAAATATCCAACTGCA 2604
Db
841 PheIleAlaIleGlnAlaValAspLysValAspLeuLysSerGluIleSerAsnIleAla 860
QY
2605 CGAGTATCTTCTTTTATTCCTCCAGACTCCGCGAGACACCTAGTCTCTGATGAACG 2664
Db
861 ArgValSerLeuPheIleProGlnThrProGlnThrProGluThrProSerProAspGluThr 880
QY
2665 TCTGCTCTCTGCTTAATATTCATATCAACAGCACCATTCTCGGCAATTCACATTTTAAAA 2724
Db
881 SerAlaProCysProAsnIleHisIleAsnSerThrIleProGlyIleHisIleLeuLys 900
QY
2725 ATTATGTGAAGTGAATGAGAGAACTGCAAGCTGTCAATAGCC 2766
Db
901 IleMetTrpLysTrpIleGlyGluLeuGlnLeuSerIleAla 914

RESULT 11

US-10-270-595-6
; Sequence 6, Application US/10270595
; Publication NO. US20030078409A1
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Asthmatic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/10/270,595
; CURRENT FILING DATE: 2002-10-16

QY	1645	GGCTTTGTAGTGGACAAAAACACAAAATAGCCCTTACCTCCAAATCCCAGGCATGCTTAAG	1704
Db	541	GlyPheValValAAspLysAsnThrLysMetAlaTyrLeuGlnIleProGlyIleAlaLys	560
QY	1705	GTTGGCACTTGGAAATACAGTCTGCAGCAGAGCTCACAACCTTGACCCGTGACTGTCAAG	1764
Db	561	ValGlyThrTrpLysTyrSerLeuGlnAlaSerSerGlnThrLeuThrLeuThrValThr	580
QY	1765	TCCCGTGCGTCCAAATGCTACCTCCCTCCCAATTACAGTGAAGTTCCTCAAAAAGCAACGAGC	1824
Db	581	SerArgAlaSerAsnAlaThrLeuProProIleThrValThrSerLysThrAsnLysAsp	600
QY	1825	ACCAAGCAAAATCCCCAGCCCTCTGGTAGTTTATGCAAAATATTCGCCAAGGAGCCTCCCCA	1884
Db	601	ThrSerLysPheProSerProLeuValValTyrAlaAsnIleArgGlnGlyAlaSerPro	620
QY	1885	ATTCTCAGGCCAGTGTACAGCCCTCATTCGAATCAGTGAATGAAAAACAGTATACCTTG	1944
Db	621	IleLeuArgAlaSerValThrAlaLeuIleGlnSerValAsnGlyLysThrValThrLeu	640
QY	1945	GAACCTACTGGATAATGGAGCAGGTGCTCATGTCTACTAAGATGATCAGGTGTCTACTCAAG	2004
Db	641	GluLeuLeuAspAsnGlyAlaGlyAlaAspAlaThrLysAspAspGlyValTyrSerArg	660
QY	2005	TATTTCAACTTATGACAGAATGGTAGATACAGTGTAAAGTGCGGGCTCTGGGAGGA	2064
Db	661	TyrPheThrThrTyrAspThrAsnGlyArgTyrSerValLysValArgAlaLeuGlyGly	680
QY	2065	GTTAAACGACCCAGACGAGGAGTGATACCCAGCAGAGTGGAGACACTGATACATCCNGGC	2124
Db	681	ValAsnAlaAlaArgArgValIleProGlnSerGlyAlaLeuTyrIleProGly	700
QY	2125	TGGATTGAGAATGATGAAATACAAATGAAATCCACCAAGACCTGAAATTAATGAAGATGAT	2184
Db	701	TrpIleGluAsnAspGluIleGlnTrpAsnProProArgProGluIleAsnLysAspAsp	720
QY	2185	GTTCAACACAAAGCAAGTGTGTTTCAGCAGAACATCTCTGGGAGGCTCATTTGTGGCTTCT	2244
Db	721	ValGlnHisLysGlnValCysPheSerArgThrSerSerGlyGlySerPheValAlaSer	740
QY	2245	GATGTCCCAATGCTCCCATACCTGATCTCTTCCACCTGCGCCAAATCACCGACCTCAAG	2304
Db	741	AspValProAsnAlaProIleProAspLeuPheProProGlyGlnIleThrAspLeuLys	760
QY	2305	CGCGAAATTCACGGGGCAGTCTCATTAATCTGACTTTGGACAGCTCCTGGGATGATTAT	2364
Db	761	AlaGluIleHisGlyGlySerLeuIleAsnLeuThrTrpThrAlaProGlyAspAspTyr	780
QY	2365	GACCATGGAACTCAACAGTATATCATTTCGAATAGTACAGTATCTTGATCTCAGA	2424
Db	781	AspHisGlyThrAlaHisLysTyrIleIleArgIleSerThrSerIleLeuAspLeuArg	800
QY	2425	GACAAGTTCAATGAATCTCTTCAAGTGAATACTACTGCTCTCATCCCAAAGGAAGCCAAC	2484
Db	801	AspLysPheAsnGluSerLeuGlnValAsnThrThrAlaLeuIleProLysGluAlaAsn	820
QY	2485	TCTGAGGAAGTCTTTTGTGTTTAAACACAGAAAACATTACTTTTGAATAATGGCACAGATCTT	2544
Db	821	SerGluGluValPheLeuPheLysProGluAsnIleThrPheGluAsnGlyThrAspLeu	840
QY	2545	TTCAATTGCTATTACGGCTGTGTGATAAGGTGATCTGAAATCAGAAAATATCCACATTTGCA	2604
Db	841	PheIleAlaIleGlnAlaValAspLysValAspLeuLysSerGluIleSerAsnIleAla	860
QY	2605	CGAGTATCTTTGTTTATTTCTCCACAGCTCCCGCCAGAGACACCTAGTCTGTGATGAACG	2664
Db	861	ArgValSerLeuPheIleProProGlnThrProProGluThrProSerProAspGluThr	880
QY	2665	TCTGCTCCTTGTCTCTAATATTCATATCAACAGCAGCAATTCCTGCGCATTCACATTTTAAA	2724
Db	881	SerAlaProCysProAsnIleHisIleAsnSerThrIleProGlyIleHisIleLeuLys	900

QY	2125	ATTATGTCGAAGTCGATAGGAGAACTGCAGCTGCTCAATAGCC	2126
Db	901	IleMetTrpLysTrpIleGlyGluLeuGlnLeuSerIleAla	914
RESULT 12			
US-10-055-412B-28			
; Sequence 28, Application US/10055412B			
; Publication No. US20030059861A1			
; GENERAL INFORMATION:			
; APPLICANT: Pauli, Benedict U.			
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian			
; TITLE OF INVENTION: Activated Chloride Channel-Adhesion M			
; FILE REFERENCE: 18617.0058			
; CURRENT APPLICATION NUMBER: US/10/055,412B			
; CURRENT FILING DATE: 2001-10-29			
; PRIOR APPLICATION NUMBER: US/09/193,562			
; PRIOR FILING DATE: 1998-11-17			
; PRIOR APPLICATION NUMBER: US/60/065,922			
; PRIOR FILING DATE: 1997-11-17			
; NUMBER OF SEQ ID NOS: 47			
; SEQ ID NO 28			
; LENGTH: 914			
; TYPE: PRT			
; ORGANISM: Homo sapiens			
US-10-055-412B-28			
Alignment Scores:			
Pred. No.:		0	Length: 914
Score:		4753.00	Matches: 912
Percent Similarity:		100.00%	Conservative: 2
Best Local Similarity:		99.78%	Mismatches: 0
Query Match:		93.56%	Indels: 0
DB:		14	Gaps: 0
US-09-049-696-18 (1-2813) x US-10-055-412B-28 (1-914)			
QY	25	ATGGGGCCATTAAAGAGTTCTGTGTCACTCTTGATCTTTCACCTTCTCT	
Db	1	MetGlyProPheLysSerSerValPheIleLeuIleLeuHisLeuLeu	
QY	85	AGTAATTCACCTCATTCACCTGACCAACAATGGCTATGAGGCATTGT	
Db	21	SerAsnSerLeuIleGlnLeuAsnAsnGlyTyrGluGlyLeuVal	
QY	145	CCCAATGTGCCAGAAGATGAAACACTCATTCACCAAAATAAAGACAT	
Db	41	ProAsnValProGluAspGluThrLeuIleGlnIleLysAspMet	
QY	205	TCTCTGTATCTGTTTGAAGACTACAGAAAGCCGATTTTATTTCACAAA	
Db	61	SerLeuTyrLeuPheGluAlaThrGlyLysArgPheTyrPheLysAsn	
QY	265	ATTCCTGAAACATGGAAGACAAAGGCTGACTATGTGAGACCAAAACT	
Db	81	IleProGluThrTrpLysThrLysAlaAspTyrValArgProLysLe	
QY	325	AATGCTGATGTTCTGGTTGCTGAGTCACTCTCCAGGTAATGATGATCA	
Db	101	AsnAlaAspValLeuValAlaGluSerThrProGlyAsnAspGly	
QY	385	CAGATGGGCAACTGTGGAGAGAAAGGTGAAAGGATCCACCTCACCTCC	
Db	121	GlnMetGlyAsnCysGlyGluLysGlyGluArgIleHisLeuThrPr	
QY	445	GGAAAAAGTTAGCTGAATATGGACACAAAGGTAGGCGCATTTGTCCA	
Db	141	GlyLysLysLeuAlaGluTyrGlyProGlnGlyLysAlaPheValHi	
QY	505	CTACGATCGGGAGTATTTTCACGAGTACATAATGATGAGAAATTCCTA	
Db	161	LeuArgTrpGlyValPheAspGluTyrAsnAsnAspGluLysPheTy	
QY	565	AGAATACAAAGCAGTAAAGATGTTTCAGCAGGATTAATCTGGTACAAATG	

181 ArgIleGlnAlaValArgCysSerAlaGlyIleThrGlyThrAsnValValLysLysCys 200
625 CAGGAGGAGAGCTGTGTACCAAAAGATGCACATTCATCAATAAAGTAAACAGAGCTCTATGAA 684
201 GlnGlyGlySerCysThrLysAsgCysThrPheAsnLysValThrGlyLeuTyrglu 220
685 AAAGGATGTAGTTTGTCTCCAAATCCCGCAGACGAGAGGCTTCTATATATGTGTGCA 744
221 LysGlyCysGluPheValLeuGlnSerArgGlnThrGluLysAlaSerIleMetPheAla 240
745 CAACATGTGATCTATAGTTGAATCTGTACAGAACAAACACACAAAGAGCTCCA 804
241 GlnHisValAspSerIleValGluPheCysThrGluGlnAsnHisAsnLysGluAlaPro 260
805 AACCAACAAATCAAAATCAATCTCCGAAGCACATGGGAAGTGTATCTGATCTGAG 864
261 AsnLysGlnAsnGlnLysCysAsnLeuArgSerThrTrpGluValIleArgAspSerGlu 280
865 GACTTTAAGAAACCACTCTCTATGACAAACAGCCACCAATCCCACTTCTCATTTGCTG 924
281 AspPheLysLysThrThrProMetThrThrGlnProAsnProThrPheSerLeuLeu 300
925 CAGATTGGACAGAGATTTGTGTGTAGTCTTGTGACAAATCTGGAAGCATGGCACTGCT 984
301 GlnIleGlyGlnArgIleValCysLeuValLeuAspLysSerGlySerMetAlaThrGly 320
985 AACCGCTCAATCAATCAAGCAGCGCAGCTTTCTGCTGCAGACAGATTTGAGCTG 1044
321 AsnArgLeuAsnArgLeuAsnGlnAlaGlyGlnLeuPheLeuLeuGlnThrValGluLeu 340
1045 GGCTCTGGTTGGATGTGACATTTGACAGTGTGCCCATGTACAAAGTGAACCTCAT 1104
341 GlySerTrpValGlyMetValThrPheAspSerAlaAlaHisValGlnSerGluLeuIle 360
1105 CAGATAACAGTGGCAGTACAGGACACACTGCCAAAGATTACTCGCAGCAGCTTCA 1164
361 GlnIleAsnSerGlySerAspArgAspThrLeuAlaLysArgLeuProAlaAlaSer 380
1165 GGAGGACCTGCATCTGCAGCGGCTTCGATCGGCATTTACTGTGATTAGGAAGAAATAT 1224
381 GlyGlyThrSerIleCysSerGlyLeuArgSerAlaPheThrValIleArgLysLysTy 400
1225 CCAACTGATGGATCTGAATTTGTGCTGACGGATGGGGAAGACAACTATAAGTGG 1284
401 ProThrAspGlySerGluIleValLeuLeuThrAspGlyGluAspAsnThrIleSerGly 420
1285 TGCCTTAACGAGGTCAAAACAAAGTGTGCATCATCCACACAGTCCCTTTGGGCCCTCT 1344
421 CysPheAsnGluValLysGlnSerGlyAlaIleIleThrValAlaLeuGlyProSer 440
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1645 GGCTTTGTAGTGACAAAAACCAAAATGGGCTTACTCCAAATCCAGGCATTTGTAAG 1704

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661 TyrPheThrThrTyAspThrAsnGlyArgTySerValLysValArgAlaLeuGlyGly 680
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681 ValAsnAlaAlaArgArgValIleProGlnGlnSerGlyAlaLeuTyIleProGly 700
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RESULT 14

US-10-106-698-6388
; Sequence 6388, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptides
; FILE REFERENCE: PA005P1
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 6388
; LENGTH: 869
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (14)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-10-106-698-6388

Alignment Scores:

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Query Match: 88.11% Indels: 0
DB: 14 Gaps: 0

US-09-049-696-18 (1-2813) x US-10-106-698-6388 (1-869)

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Run on: April 21, 2004, 16:13:29 ; Search time 25.9523 Seconds
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Title: US-09-049-696-18

Perfect score: 5080

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Total number of hits satisfying chosen parameters: 778828

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Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

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2	4753	93.6	914	4	US-09-193-562D-28
3	1656.5	72.0	917	4	US-09-623-624-2
4	2866.5	56.4	917	4	US-09-049-698-41
5	2462.5	48.5	903	4	US-09-193-562D-46
6	2411.5	47.5	903	4	US-09-623-624-18
7	2328	45.8	905	4	US-09-193-562D-2
8	2324.5	45.8	902	4	US-09-193-562D-34
9	2258.5	44.5	1000	4	US-09-193-562D-30
10	2125	41.8	795	4	US-09-193-562D-11
11	2125	41.8	821	4	US-09-193-562D-12
12	1996	39.3	943	4	US-09-643-597-161

ALIGNMENTS

RESULT 1

US-09-623-624-6
; Sequence 6, Application US/09623624
; Patent No. 6576434
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/09/623,624
; CURRENT FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,472
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,110
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,168
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/980,872
; PRIOR FILING DATE: 1997-12-01

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Sequence 4, Appl
Sequence 32, Appl
Sequence 357, Appl
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Sequence 47, Appl
Sequence 10, Appl
Sequence 10, Appl

; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-623-624-6

Alignment Scores:

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Score: 4754.00 Matches: 913
Percent Similarity: 99.89% Conservative: 0
Best Local Similarity: 99.89% Mismatches: 1
Query Match: 93.58% Indels: 0
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US-09-049-696-18 (1-2813) x US-09-623-624-6 (1-914)

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QY 1885 ATTCTCAGGGCAGTGTGTCAGCCCTGATTGAATCAGTGAATGGAACACATTTACCTTGTG 1944
DB 621 IleLeuArgAlaSerValThrAlaLeuIleGluSerValAsnGlyLysThrValThrLeu 640
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QY 1945 GAACACTGGAATAATGGAGCAGGTGCTGATGCTACTAGGATGACGGTGTCTACTCAAGG 2004
Db 641 GluLeuLeuAspAsnGlyAlaGlyAlaAspAlaThrLysAspAspGlyValTyrSerArg 660
QY 2005 TATTTTCAACAATTATGACACGAATGCTAGACAGTGTAAAGTGGGCTCTGGGAGGA 2064
Db 661 TyrPheThrThrTyrAspThrAsnGlyArgTyrSerValLysValArgAlaLeuGlyGly 680
QY 2065 GTTAAACGACGACGAGGAGTGTATACCCAGCAGAGTGGAGCTGTACATACCTGGC 2124
Db 681 ValAsnAlaAlaArgArgValIleProGlnSerGlyAlaLeuTyrIleProGly 700
QY 2125 TGGATTGAGATGATGAATACAAATGGAATCACCAGACCTGAAATTAATTAAGATGAT 2184
Db 701 TrpIleGluAsnAspGluIleGlnTrpAsnProProArgProGluIleAsnLysAspAsp 720
QY 2185 GTTCAACAACAAGTGTGTTTACGACAGAACATCTCGGAGGCTCATTTGTGGCTTCT 2244
Db 721 ValGlnHisLysGlnValCysPheSerArgThrSerSerGlyLysPheValAlaSer 740
QY 2245 GATGTCCCAAAATGCTCCCATCTCTCTTCCACCTGGCCAAATCACCACCTGAAG 2304
Db 741 AspValProAsnAlaProIleProAspLeuPheProGlyGlnIleThrAspLeuLys 760
QY 2305 CGGGAATTCACGGGGGAGTCTCATTAATCTGACTTGGACAGCTCTGGGAGTATAT 2364
Db 761 AlaGluIleHisGlySerLeuIleAsnLeuThrTrpThrAlaProGlyAspAspTyr 780
QY 2365 GACCATGGAACAGCTCACAGTATATATCTCAATTAAGTACAGTATCTTCATCTCAGA 2424
Db 781 AspHisGlyThrAlaHisLysTyrIleIleArgIleSerThrSerIleLeuAspLeuArg 800
QY 2425 GACAAAGTTCAATGAATCTCTCAAGTGAATACTGCTCTCATCCCAAGGAAGCCCAAC 2484
Db 801 AspLysPheAsnGluSerLeuGlnValAsnThrThrAlaLeuIleProLysGluAlaAsn 820
QY 2485 TCTGAGGAGTCTTTTGTTHAAACAGAAAACATTAATCTTTGAAAATGGCACATCTT 2544
Db 821 SerGluGluValPheLeuPheLysProGluAsnIleThrPheGluAsnGlyThrAspLeu 840
QY 2545 TTCATTGCTATTACAGCTGTGATAGGTGCGATCTGAAATCAGAAATATCCAACTTCCA 2604
Db 841 PheIleAlaIleGlnAlaValAspLysValAspLysSerGluIleSerAsnIleAla 860
QY 2605 CGAGTATCTTTTATCTCTCCACAGACTCCGCCAGAGACACCTAGTCTCATGAAACG 2664
Db 861 ArgValSerLeuPheIleProGlnThrProProGluThrProSerProAspGluThr 880
QY 2665 TCTGCTCTTGTCTTAATTAATCAACAGCACCATCTCTGGCATTCACATTTTAAAA 2724
Db 881 SerAlaProCysProAsnIleHisIleAsnSerThrIleProGlyIleHisIleLeuLys 900
QY 2725 ATTATGCGAATGATAGGAACTCGAGCTGCTCAATAGCC 2766
Db 901 IleMetTrpLysTrpIleGlyGluLeuGlnLeuSerIleAla 914

RESULT 2
US-09-193-562D-28
; Sequence 28, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; FILE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; CURRENT FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 28
; LENGTH: 914
; TYPE: PRT
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; ORGANISM: Homo sapiens
US-09-193-562D-28
Alignment Scores:
Pred. No.: 0 Length: 914
Score: 4753.00 Matches: 912
Percent Similarity: 100.00% Conservative: 2
Best Local Similarity: 99.78% Mismatches: 0
Query Match: 93.56% Indels: 0
DB: 4 Gaps: 0
US-09-049-696-18 (1-2813) x US-09-193-562D-28 (1-914)
QY 25 ATGGGGCCATTAAAGAGTTCTGTGTTTCATCTCTTGTGATTTCTTCACTTCTTCAAGAGGGCCCTG 84
Db 1 MetGlyProPheLysSerSerValPheIleLeuIleLeuHisLeuLeuGluGlyAlaLeu 20
QY 85 ACTAATTCCTCACTTCACTGCTGACCTGACCAACAATGCTGATGAAGGCATTTGCTGCTGCAATCGAC 144
Db 21 SerAsnSerLeuIleGlnLeuAsnAsnAsnGlyTyrGluGlyIleValValAlaIleAsp 40
QY 145 CCCAATGTGCCAGAGATGAACACTCTATTCACAAATAAAGGACATGCTGACCCAGGCA 204
Db 41 ProAsnValProGluAspGluThrLeuIleGlnGlnIleLysAspMetValThrGlnAla 60
QY 205 TCTCTGTATCTGTTTGAAGCTACAGGAAAGCGATTTTATTTCCAAAATGTTGCCATTTTG 264
Db 61 SerLeuTyrLeuPheGluAlaThrGlyLysArgPheTyrPheLysAsnValAlaIleLeu 80
QY 265 ATTCCTGGAACATGCAAGCAAGGCTGACTATGTGAGACCAAACTTGAGACCTACAA 324
Db 81 IleProGluThrTrpLysThrLysAlaAspTyrValArgProLysLeuGluThrTyrLys 100
QY 325 AATGCTGATGTTCTGTTGCTGAGTCTACTCTCCAGGTAAATGATGAACCCCTACACTGAG 384
Db 101 AsnAlaAspValLeuValAlaGluSerThrProProGlyAsnAspGluProTyrThrGlu 120
QY 385 CAGATGGGCAACTGTGGAGAGAGGGTGAAGGATCCACCTCCTGCTGATTTTCATTGCA 444
Db 121 GlnMetGlyAsnCysGlyGlyLysGlyGluArgIleHisLeuThrProAspPheIleAla 140
QY 445 GGAAAAAGTTAGCTGAATATGGACACACAGTAGGCGCATTTGTCCATGAGTGGGCTCAT 504
Db 141 GlyTyrLysLeuAlaGluTyrGlyProGlnGlyLysAlaPheValHisGluTrpAlaHis 160
QY 505 CTACCATGGGAGTATTTGACGAGTACAATATGATGAGAAATTTCTATTATCCCAATGCA 564
Db 161 LeuArgTrpGlyValPheAspGluTyrAsnAsnAspGluLysPheTyrLeuSerAsnGly 180
QY 565 AGAATACAAGCAGTAAAGATGTTTCAAGAGTATTTACTGGTACAAATGTAGTAAAGAGTGT 624
Db 181 ArgIleGlnAlaValArgCysSerAlaGlyIleThrGlyThrAsnValValLysLysCys 200
QY 625 CAGGAGGAGCTGTTTACACCAAAAGATGCACATCAATAAAGTAAACAGGACTCTATGAA 684
Db 201 GlnGlyLysCysTyrThrLysArgCysThrPheAsnLysValThrGlyLeuTyrGlu 220
QY 685 AAAGCATGTGAGTTTGTTCCTCAATCCCGCAGACGAGAGGCTTCTATATATTTTGA 744
Db 221 LysGlyCysGluPheValLeuGlnSerArgGlnThrGluLysAlaSerIleMetPheAla 240
QY 745 CAACATGTTGATTTCTATAGTTGAATTTCTGTACAGAACAAAAACCAACAAAGAGCTCCA 804
Db 241 GlnHisValAspSerIleValGluPheCysThrGluGlnAsnHisAsnLysGluAlaPro 260
QY 805 AACAGCAAAATCAAAAATGCAATCTCCAGACACATGGGAAAGTATCGTGATTTCTGAG 864
Db 261 AsnLysGlnAsnGlnLysCysAsnLeuArgSerThrTrpGluValIleArgAspSerGlu 280
QY 865 GACTTTAAGAAAACCATCTCTATGACACACAGCCACCAATCCCACTTCTCTCATTTCTG 924
Db 281 AspPheLysLysThrThrProMetThrThrGlnProProAsnProThrPheSerLeuLeu 300
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QY 925 CAGATTGGACAAAGAAATGTGTGTTAGTCTTGCACAAATCTGGAAGCATGGCGACTGGT 984
DB 301 GlnIleGlyGlnArgIleValCysLeuValLeuAspLysSerGlySerMetAlaThrGly 320
QY 985 AACCCGCTCAATCGACTGAATCAAGAGCCAGCTTTCTGCTCTGAGACAGATTGAGCTG 1044
DB 321 AsnArgLeuAsnArgLeuAsnGlnAlaGlyGlnLeuPheLeuLeuGlnThrValGluLeu 340
QY 1045 GGGTCTGGGTGGATGGTGCATTTGACAGTGTGCTGCCATGTACAAAGTCAACTCAT 1104
DB 341 GlySerTrpValGlyMetValThrPheAspSerAlaAlaHisValGlnSerGluLeu 360
QY 1105 CAGATAAACAGTGGCAGTGACAGGACACATCGCCAAAGATTACCTGCGACACCTTCA 1164
DB 361 GlnIleAsnSerGlySerAspArgAspThrLeuAlaLysArgLeuProAlaAlaSer 380
QY 1165 GGAGGAGCTCCATCTGACGCGGGCTTCGATCGGCATTTACTGTGATTAGGAAGAAATAT 1224
DB 381 GlyGlyThrSerIleCysSerGlyLeuArgSerAlaPheThrValIleArgLysLysTyr 400
QY 1225 CCAACTGATGATCGAATGTGCTGTGACGGATGGGAAGACAACTATAAGTGGG 1284
DB 401 ProThrAspGlySerGluIleValLeuLeuThrAspGlyGluAspAsnThrIleSerGly 420
QY 1285 TGCTTTAAGAGGTCAAAACAAAGTGTGCTCATCATCCACAGTCTGCTTTGGGGCCCTCT 1344
DB 421 CysPheAsnGluValLysGlnSerGlyAlaIleIleHisThrValAlaLeuGlyProSer 440
QY 1345 GCAGCTCAAGAACTAGAGAGCTGTCCAAATAGCAGGAGGTTTACAGACATATCTTCA 1404
DB 441 AlaAlaGlnLeuGluLeuSerLysMetThrGlyGlyLeuGlnThrTyrAlaSer 460
QY 1405 GATCAAGTTCAAGAACTAGAGAGCTGTCCAAATAGCAGGAGGTTTACAGACATATCTTCA 1464
DB 461 AspGlnValGlnAsnAsnGlyLeuIleAspAlaPheGlyAlaLeuSerSerGlyAsnGly 480
QY 1465 GCTGTCTCTCAGCGCTCCATCCAGCTTGAGAGTAAGGATTAACCTCCAGAACAGCCAG 1524
DB 481 AlaValSerGlnArgSerIleGlnLeuGluSerLysGlyLeuThrLeuGlnAsnSerGln 500
QY 1525 TGGATGAATGGCAGAGTATCTGGACAGCCGCTGGGAAGGACACTTGTCTTATC 1584
DB 501 TrpMetAsnGlyThrValIleValAspSerThrValGlyLysAspThrLeuPheLeuIle 520
QY 1585 ACCTGGACAGCCAGCTCCCAATCTCTCTGGATCCAGTGGGACAGAGCAAGGT 1644
DB 521 ThrTrpThrThrGlnProGlnIleLeuLeuTrpAspProSerGlyGlnLysGlnGly 540
QY 1645 GCGTTTGTAGTCGACAAAACCAAAATGGCTTACCTCCAAATCCAGGCACTTCTAAG 1704
DB 541 GlyPheValValAspLysAsnThrLysMetAlaTyrLeuGlnIleProGlyIleAlaLys 560
QY 1705 GTTGGCACTTGAATATACAGTTCGAAGCAAGCTCACAAACCTTGACCTGACTCTCAG 1764
DB 561 ValGlyThrTrpLysTyrSerLeuGlnAlaSerSerGlnThrLeuThrLeuThrValThr 580
QY 1765 TCCCGTGGCTCAATGCTACCTGCTCCATTAAGTACAGTACTTCCAAACGACAGAGAC 1824
DB 581 SerArgAlaSerAsnAlaThrLeuProIleThrValThrSerLysThrAsnLysAsp 600
QY 1825 ACCAGCAATCCCGAGCTCTGCTAGTTTATGAAATATTCGCAAGGAGCTCCCCA 1884
DB 601 ThrSerLysPheProSerProLeuValValTyrAlaAsnIleArgGlnGlyAlaSerPro 620
QY 1885 APTCTCAGGGCCAGTGTACAGCCCTGATTTGAATCAGTGAATGGAACAACTTACCTTG 1944
DB 621 IleLeuArgAlaSerValThrAlaLeuIleGluSerValAsnGlyLysThrValThrLeu 640
QY 1945 GAACTACTGGATAATGGACAGCTGCTGATGCTACTAAGGATGAGGCTGCTACTCAAG 2004
DB 641 GlnLeuLeuAspAsnGlyValaGlyAlaAspAlaThrLysAspAspGlyValTyrSerArg 660
QY 2005 TATTTTCACAACTTATGACAGAAATGATAGATACAGTGTAAAGTGGGCTCTGGGAGA 2064

DB 661 TyrPheThrThrTyrAspThrAsnGlyArgTyrSerValLysValArgAlaLeuGlyGly 680
QY 2065 GTTAAACGAGCAGCAGGAGAGTATACCCAGCAGAGTGGAGCACTGTACATACCTGGC 2124
DB 681 ValAsnAlaAlaArgArgValIleProGlnGlnSerGlyAlaLeuTyrIleProGly 700
QY 2125 TGGATTGAGATGATGAATACAATCAATCGAATCCACCAAGACCTGAAATTAATAAGGATGAT 2184
DB 701 TrpIleGluAsnAspGluIleGlnTrpAsnProProArgProGluIleAsnLysAspAsp 720
QY 2185 GTTCAACAACAGCAAGTGTGTTTTCAGCAGCAACATCTCTCGGAGGCTCATTTGTGGCTCT 2244
DB 721 ValGlnHisLysGlnValCysPheSerArgThrSerSerGlyGlySerPheValAlaSer 740
QY 2245 GATGTCCCAATGTCCCATACCTGATCTCTCCACCTGGCCAAATCACCAGCCTGAAG 2304
DB 741 AspValProAsnAlaProIleProAspLeuPheProGlyGlnIleThrAspLeuLys 760
QY 2305 GCGAAATTCACGGGGCAGTCTCATTAATCTGACTTGCAGAGCTCTGGGATGATTAT 2364
DB 761 AlaGluIleHisGlyGlySerLeuIleAsnLeuThrTrpThrAlaProGlyAspAspTyr 780
QY 2365 GACCATGGAACAGCTCACAGTATATCATTCGAATAAGTACAAGTATTTCTTGTATCTCAGA 2424
DB 781 AspHisGlyThrAlaHisLysTyrIleIleArgIleSerThrSerIleLeuAspLeuArg 800
QY 2425 GACAAGTTCAATGAATCTCTTCAAGTGAATACTGCTCTCATCTCCAAAGAGGCCAAC 2484
DB 801 AspLysPheAsnGluSerLeuGlnValAsnThrThrAlaLeuIleProLysGluAlaAsn 820
QY 2485 TCTCAGGAAGCTTTTGTGTTTAAACACGAAACACTTACTTTTGAAGTGGCACATCTT 2544
DB 821 SerGluGluValPheLeuPheLysProGluAsnIleThrPheGluAsnGlyThrAspLeu 840
QY 2545 TTCTATTGCTATTCAGGCTGTTGATAAGTCTGATCTGAAATCAGAAATATCCAACATTCGA 2604
DB 841 PheIleAlaIleGlnAlaValAspLysValAspLeuLysSerGluLeSerAsnIleAla 860
QY 2605 CGAGTATCTTTGTTTATTCCTCCACAGACTCGCCAGCAGACACCTAGTCTGTGATAAAG 2664
DB 861 ArgValSerLeuPheIleProGlnThrProGluThrProSerProAspGluThr 880
QY 2665 TCTGCTCTCTCTCTATATTCATATCAACAGCAGCACTTCTGGCATTACACATTTTAAA 2724
DB 881 SerAlaProCysProAsnIleHisIleAsnSerThrIleProGlyIleHisIleLeuLys 900
QY 2725 ATTATGTGAAGTGGATGAGAGAACTGCAGCTGTCAATAGCC 2766
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RESULT 3
US-09-623-624-2
; Sequence 2, Application US/09623624
; Patent No. 6576434
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/09/623,624
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23

PRIOR APPLICATION NUMBER: US 08/697,471
PRIOR FILING DATE: 1996-08-23
PRIOR APPLICATION NUMBER: US 08/697,472
PRIOR FILING DATE: 1996-08-23
PRIOR APPLICATION NUMBER: US 08/697,473
PRIOR FILING DATE: 1996-08-23
PRIOR APPLICATION NUMBER: US 08/702,105
PRIOR FILING DATE: 1996-08-23
PRIOR APPLICATION NUMBER: US 08/702,110
PRIOR FILING DATE: 1996-08-23
PRIOR APPLICATION NUMBER: US 08/702,168
PRIOR FILING DATE: 1996-08-23
PRIOR APPLICATION NUMBER: US 08/980,872
PRIOR FILING DATE: 1997-12-01
NUMBER OF SEQ ID NOS: 18
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 2
LENGTH: 913
TYPE: PRT
ORGANISM: Mus musculus
US-09-623-624-2

Alignment Scores:

Pred. No.: 1,36e-309 Length: 913
Score: 3656.50 Matches: 694
Percent Similarity: 86.99% Conservative: 102
Best Local Similarity: 75.85% Mismatches: 112
Query Match: 71.98% Indels: 7
DB: 4 Gaps: 4

US-09-049-696-18 (1-2813) x US-09-623-624-2 (1-913)

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QY	85	AGTAATTCATCTCAGCTGAGCAACAACTGCTATGAAGGCAATGCTTCCAAATCGAC	144
DB	21	SerGluSerLeuLeuLeuLeuLeuLeuLeuLeuLeuLeuLeuLeuLeuLeuLeuLeu	40
QY	145	CCCAATGTCAGAGATGAACACTCATTCAACAAATGAAGACATGCTGACCCAGGCA	204
DB	41	HisAspValProGluAspGluLeuLeuLeuLeuLeuLeuLeuLeuLeuLeuLeu	60
QY	205	TCCTGTATCTGTTGAAGCTACAGAAAGCGATTTTATTCAAAATCTGTCGCAATTTG	264
DB	61	SerProTyrLeuPheGluAlaThrGlyLysArgPheTyrPheLysAsnValAlaLeu	80
QY	265	ATTCTGAAACATGGAAGCAAAAGGCTGACTATGTGAGACCAAACTTGAGACCTACAA	324
DB	81	IleProGluSerTrpLysAlaLysProGluTyrThrArgProLysLeuGluThrPheLys	100
QY	325	AATGCTGATGTTCTGCTGAGTCTACTCTCCAGGTAATGATGAACCCCTACACTGAG	384
DB	101	AsnAlaAspValLeuValSerThrThrSerProLeuGlyAsnAspGluProTyrThrGlu	120
QY	395	CAGATGGCAACTGGGAGAGAGGTGAAGAGTCCACTCCTCCTGATTTTCATTGCA	444
DB	121	HisIleGlyAlaCysGlyGluLysGlyIleArgIleHisLeuThrProAspPheLeuAla	140
QY	445	GGAAAAAGTTAGCTGAATATGACACACAAAGGTAGGCAATTTGTCCATGAGTGGGCTCAT	504
DB	141	GlyLysLysLeuThrGlnTyrGlyProGlnAspArgThrPheValHisGluTrpAlaHis	160
QY	505	CTACGATGGGAGTATTTGACGAGTACATAATATGATGAGAAATTCATTATCCAAATGA	564
DB	161	PheArgTrpGlyValPheAsnGluTyrAsnAsnAspGluLysPheTyrLeuSerLysGly	180
QY	565	AGAAATACAGCAGTAAGATTTTCAGCAGGATATTACTGGTACAAATCTAGTAAGAAGTGT	624
DB	181	LysProGlnAlaValArgCysSerAlaAlaIleThrGlyLysAsnGlnValArgCys	200
QY	625	CAGGGAGGCGAGCTGTTACACCAA --- AGATGCACATTCAATAAAGTAACAGGACTCTAT	681

DB	201	GlnGlyGlySerCysIleThrAsnGlyLysCysValIleAspArgValThrGlyLeuTyr	220
QY	682	CAAAAAGGATGTGAGTTTGTCTTCCAAATCCCGCCACGAGGAGGCTTCTATAATGTTT	741
DB	221	LysAspAsnCysValPheValProAspProHisGlnAsnGluLysAlaSerIleMetPhe	240
QY	742	GCACAACATGTTGATCTATAGTTGAATCTGTACAGAACAAACACAAAGAGCT	801
DB	241	AsnGlnAsnIleAsnSerValValGluPheCysThrGluLysAsnHisAsnGlnAla	260
QY	802	CAAAACAGCAAAATCAAAATGCAATCTCGAAGCACATGGAAAGTATCGTGTATCT	861
DB	261	ProAsnAspGlnAsnGlnArgCysAsnLeuArgSerThrTrpGluValIleGlnGluSer	280
QY	862	GAGGACTTTAAGAAAAACCACTCTATGACAAACACAGCCACCAAAATCCCACTTTCATTG	921
DB	281	GluAspPheLysGlnThrProMetThrAlaGlnProProAlaProThrPheSerLeu	300
QY	922	CTGCAGATTGGACAAAAGAAATGTGTGTAGTCCTTGACAAATCTGGAAAGATGGGACT	981
DB	301	LeuGlnIleGlyGlnArgIleValCysLeuValLeuAspLysSerGlySerMetLeuAsn	320
QY	982	GGTAACCGCTCAATCGACTGAATCAAGCAGCCAGCTTTTCTCTGTCGACAGACTGGAG	1041
DB	321	AspAspArgLeuAsnArgMetAsnGlnAlaSerArgLeuPheLeuGlnThrValGlu	340
QY	1042	CTGGGGTCTCTGGTGGGATGCTGACATTTGACAGTGTCTGCCCATGTACAAAGTGAAC	1101
DB	341	GlnGlySerTrpValGlyMetValThrPheAspSerAlaAlaTyrValGlnSerGluLeu	360
QY	1102	ATACAGATAAACAAGTGGCAGTGACAGGACACACTCGCCAAAAGATTAACCTCCAGCAG	1161
DB	361	LysGlnLeuAsnSerGlyAlaAspArgAspLeuLeuLeuLeuLeuLeuLeuLeuLeu	380
QY	1162	TCAGAGGAGCACTCATCTGACGCGGCTTCGATCGGCATTTTACTGTGATTAGGAGAA	1221
DB	381	AlaGlyGlyThrSerIleCysSerGlyLeuArgThrAlaPheThrValIleLysLysLys	400
QY	1222	TATCCAATGATGATCTGAAATCTGCTGCTGCGATGGGAGGAAACAACTATAAGT	1281
DB	401	TyrProThrAspGlySerGluIleValLeuLeuThrAspGlyGluAspAsnThrIleSer	420
QY	1282	GGGTGCTTTAAGCAGGTCAAAACAAAGTGGTGCATCATCCACACAGTCTGTTGGGCCC	1341
DB	421	SerCysPheAspLeuValLysGlnSerGlyAlaIleIleHisThrValAlaLeuGlyPro	440
QY	1342	TCTGAGCTCAAGACTAGAGGAGCTGTCCAAAATGACAGAGGTTTACAGACATATGCT	1401
DB	441	AlaAlaAlaLysGluLeuGluGlnLeuSerLysMetThrGlyLeuGlnThrTyrSer	460
QY	1402	TCAGATCAAGTTCAGACAAATCGCTCATTTGATGCTTTTGGGGCCCTTTCATCAGGAAT	1461
DB	461	SerAspGlnValGlnAsnAsnGlyLeuValAspAlaPheAlaLeuSerSerGlyAsn	480
QY	1462	GGAGTGTCTCTCAGCGCTCCCATCCAGCTTGAGAGTGAAGGATTAACCTCCAGAACAGC	1521
DB	481	AlaAlaIleAlaGlnHisSerIleGlnLeuGluSerArgGlyValAsnLeuGlnAsnAsn	500
QY	1522	CAGTGGATGAATGGCACAGTATCGTGGACACACCGTGGGAAAGGACACTTTGTTCTT	1581
DB	501	GlnTrpMetAsnGlySerValIleValAspSerSerValGlyLysAspThrLeuPheLeu	520
QY	1582	ATCAGCTGGACACGCGCTCCCAATCTCTCTGGATCCCGATGGACAGAGCA	1641
DB	521	IleThrTrpThrHisProThrIlePheIleTrpAspProSerGlyValGluGln	540
QY	1642	GGTGGCTTGTAGTGGACAAAACCAAAATGGCTACTCTCAATCCAGGCTTGTCT	1701
DB	541	AsnGlyPheIleLeuAspThrThrLysValAlaTyrLeuGlnValProGlyThrAla	560
QY	1702	AAGGTTGGCAGCTTGGAAATACAGTCTGCAAGCAAGCTCACAACCTTGACCTGCTGTC	1761

Db 561 LysValGlyPheThrIlePheSerGlnAlaSerSerGlnThrLeuThrLeuThrVal 580
QY 1762 AGTCCCGGCGCTCAATGCTACCTGCTGCTCAATTTACAGTCACTTCCAAACGACCAAG 1821
Db 581 ThrSerArgAlaAlaSerAlaThrLeuProIleThrValThrProValValAsnLys 600
QY 1822 GACACGACAAATTCGCCGCTCTGCTGAGTTTATGCAAAATVATTCGCAAGGACCTCC 1881
Db 601 AsnThrGlyLysPheProSerProValThrValTyAlaSerIleArgGlnGlyAlaSer 620
QY 1882 CCAATTCAGGCGCGCTGCTACAGCTGATGATGATGATGATGATGATGATGATGATGAT 1941
Db 621 ProIleLeuArgAlaSerValThrAlaLeuIleGluSerValAsnGlyLysThrValThr 640
QY 1942 TTGGAACTACTGATAATCGACGCTGCTGATGCTACTTAAGGATGACGCTGCTACTCA 2001
Db 641 LeuGluLeuLeuAspAsnGlyAlaGlyAlaAspAlaThrLysAsnAspGlyValTySer 660
QY 2002 AGTATTTTCAACATTTATGACACGATGATGATGATGATGATGATGATGATGATGATG 2061
Db 661 ArgPhePheThrAlaPheAspAlaAsnGlyArgTySerValValIleThrAlaLeuGly 680
QY 2062 GGAGTTAAGCGACGACGAGAGATGATACCCACGACGAGTGGAGCTGTACATACCT 2121
Db 681 GlyValThrSerAspArgGlnArgAlaAlaProLysAsnArgAlaMetTyIleAsp 700
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Db 701 GlyTrpIleGluAspGlyGluValArgMetAsnProProArgProGluThrSerTy 719
QY 2182 GATGTTTCAACCAAGTGTGTTTACGACAAATCTCGGAGGCTCATTTTGGCT 2241
Db 720 ---ValGlnAspLysGlnLeuCysPheSerArgThrSerSerGlyGlySerPheValAla 738
QY 2242 TCTGATGCTCCA---AATGCTCCCACTGATCTTCCACCTGGCGCAATCACCGAC 2298
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QY 2419 CTCAGAGCAAGTTCATGAAATCTCTTCAAGTGAATCTACTGCTCTCATCCCAAGGAA 2478
Db 799 LeuArgAspHisPheAsnThrSerLeuGlnValAsnThrThrGlyLeuIleProLysGlu 818
QY 2479 GCCAACTCTGAGGAGTCTTTTGTGTTTAAACAGAAACATTTCTTTGAAATGCGACA 2538
Db 819 AlaSerSerGluGluIlePheGluPheGluLeuGlyGlyAsnThrPheGlyAsnGlyThr 838
QY 2539 GATCTTTTCAATGCTATTCAGGCTGTGATAGGTCGATGAAATCAGAAATATCCCAAC 2598
Db 839 AspIlePheIleAlaIleGlnAlaValAspLysSerAsnLeuLysSerGluIleSerAsn 858
QY 2599 ATTCAGCAGGATCTTTGTTTATTCCTCCACAGACTCCGCGACAGACACCTAGTCTCAT 2658
Db 859 IleAlaArgValSerValPheIleProAlaGlnGluPro-----ProfileProGlu 875
QY 2659 GAAAGCTGTGCTTGTGCTTAAATTCATATCAACAGCAGCATTCTCTGGCATTCACATT 2718
Db 876 AspSerThrProProCysProAspIleSerIleAsnSerThrIleProGlyIleHisVal 895
QY 2719 TTAATAAATATGTGAAGTGGATAGAGAACTGCGAGCTGTCTCAATA 2763
Db 896 LeuLysIleMetTrpLysTrpLeuGluMetGlnValThrLeu 910

RESULT 4

US-09-049-698-41

; Sequence 41, Application US/09049698

; Patent No. 6368792
; GENERAL INFORMATION:
; APPLICANT: BILLING-MEDEL, PATRICIA A.
; APPLICANT: COHEN, MAURICE
; APPLICANT: COLPITTS, TRACEY L.
; APPLICANT: FRIEDMAN, PAULA N.
; APPLICANT: HAYDEN, MARK
; APPLICANT: KASS, MICHAEL R.
; APPLICANT: ROBERTS-RAPP, LISA
; APPLICANT: RUSSELL, JOHN C.
; APPLICANT: STROUPE, STEPHEN D.
; TITLE OF INVENTION: REAGENTS AND METHODS FOR THE
; TITLE OF INVENTION: USEFUL FOR DETECTING DISEASES OF THE GASTROINTESTINAL
; TITLE OF INVENTION: TRACT
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Abbott Laboratories
; STREET: 100 Abbott Park Road
; CITY: Abbott Park
; STATE: IL
; COUNTRY: USA
; ZIP: 60064-3500
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/049,698
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/828,856
; FILING DATE: 31-MAR-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Becker, Cheryl L.
; REGISTRATION NUMBER: 35,441
; REFERENCE/DOCKET NUMBER: 6068.US.P1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 847/935-1729
; TELEFAX: 847/938-2623
; TELEX:
; INFORMATION FOR SEQ ID NO: 41:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 917 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: No. 6368792e
US-09-049-698-41
Alignment Scores:
Pred. No.: 7.96e-241 Length: 917
Score: 2866.50 Matches: 562
Percent Similarity: 75.03% Conservative: 123
Best Local Similarity: 61.56% Mismatches: 217
Query Match: 56.43% Indels: 11
DB: 4 Gaps: 8
US-09-049-696-18 (1-2813) x US-09-049-698-41 (1-917)
QY 25 ATGGGGCCATTAAAGATTCGTGTTCATCTTGTTCATCTTACCTTCTAGAGGGGCCCTG 84
Db 1 MetGlyLeuPheArgGlyPheValPheLeuLeuValLeuCysLeuLeuHisGlnSer--- 19
QY 85 AGTAATTCACATTCATTCAGCTGCAACAAATGGCTATGAGGCATTCGTGTCATCGAC 144
Db 20 AsnThrSerPheIleLysLeuAsnAsnGlyPheGluAspIleValIleValIleAsp 39
QY 145 CCCAATGTGCCAGAGATGAAACACTCATTCACAAATAAGGACATGCTGACCCAGCA 204
Db 40 ProSerValProGluAspGluLysIleIleGluGlnIleGluAspMetValThrAla 59

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205 TCCTCTATCTGTTTGAAGCTACAGAAAGCGATTTATTATTTCAAAATGTTGCCATTTG 264
Db SerThrTyrLeuPheGluAlaThrGluLysArgPhePheLysAsnValSerIleLeu 79
265 ATTCTGAAACATGGAAGCAAGGCTGACTATGTGAGACCAAACTTGAGACCTACAAA 324
Db IleProGluAsnTrpLysGluAsnProGlnTyrLysArgProLysHisGluAsnHisLys 99
325 AATGCTGATGTTCTGCTGCTGAGTCTACTCTCCAGAGTAATGATCAACCCCTACACTGAG 384
Db HisAlaAspValIleValAlaProProThrLeuProGlyArgAspGluProTyrThrLys 119
385 CAGATGGGCAACTGTGGAGAGAGGTGAAGGATCCACTCACTCTGATTTCAATGCA 444
Db GlnPheThrGluCysGlyGluLysGlyGluTyrIleHisPheThrProAspLeuLeuLeu 139
445 GGAAGAAAGTTAGCTCAATATGACACACAAGGTAGGGCATTTGTCATGAGTGGGTCAT 504
Db GluLysLysGlnAsnGluTyrGlyProProGlyLysLeuPheValHisGluTrpAlaHis 159
505 CTACGATGGGAGTATTTCAGCAGTAGTACAATAATGATGAGAAATTTCTACTTATCCAAATGGA 564
Db LeuArgTrpGlyValPheAspGluTyrAsnGluAspGlnProPheTyrArgAlaLysSer 179
565 ---AGAATACAAACAGCAGATGTTTCAGCAGGTATTACTGGTACAAATGTAGTAAAGAAG 621
Db LysLysIleGluAlaThrArgCysSerAlaGlyIleSerGlyArgAsnArgValTyrLys 199
622 TGTACGGAGGAGCGTGTACACCAAAAGATGCACATTCATTAAGTAACAGACACTCTAT 681
Db CysGlnGlySerCysLeuSerArgAlaCysArgIleAspSerThrThrLysLeuTyr 219
682 GAAAAAGGATGAGTTGTTCTCCATCCCGCCAGCAGAGAGGCTTCTATAATGTTT 741
Db GlyLysAspCysGlnPhePheProAspLysValGlnThrGluLysAlaSerIleMetPhe 239
742 GCACAACTGTTGATTCTATAGTTGAATTTCTGTACAGAAACAAACACAAAGAAAGCT 801
Db MetGlnSerIleAspSerValValGluPheCysAsnGluLysThrHisAsnGlnGluAla 259
802 CCACACAGCAAAATCAAAATGCAATCTCCGAGCAGACATGGGAAGTATCGGTATCT 861
Db ProSerLeuGlnAsnIleLysCysAsnPheArgSerThrTrpGluValIleSerAsnSer 279
862 GAGGACTTTAAGAAACCCTCTATGACAAACACACACGCCCAATCCCACTTCTCATG 921
Db GluAspPheLysAsnThrIleProMetValThrProProProProValPheSerLeu 299
922 CTGCAATGGAACAAAGAAATTTGTGTTTAGTCTCTTGACAAATCTGGAAGCATGGCGACT 981
Db LeuLysIleSerGlnArgIleValCysLeuValLeuAspLysSerGlySerMetGlyGly 319
982 GGTAAACGGCTCAATGACTGAATCAAGCGGCGGCTTTCTGCTGAGACAGTGTAG 1041
Db LysAspArgLeuAsnArgMetAsnGlnAlaAlaLysHisPheLeuLeuGlnThrValGlu 339
1042 CTGGGCTCTGGTGGATGGTACATTTGACAGTGCTGCCCATCTACAAAGTGAATC 1101
Db AsnGlySerTrpValGlyMetValHisPheAspSerThrAlaThrIleValAsnLysLeu 359
1102 ATACAGATAAAGTGGCAGTAGCAGGGACACACTCGCCAAAAGATTACTCGCAGCAGCT 1161
Db IleGlnIleLysSerAspGluArgAsnThrLeuMetAlaGlyLeuProThrTyrPro 379
1162 TCAGGAGGAGCGTCCATCTGACGGGCTTCGATCGGCAATTTACTGTGATTAGAAGAAA 1221
Db LeuGlyGlyThrSerIleCysSerGlyIleLysTyrAlaPheGlnValIleGlyGluLeu 399
1222 TAT---CCAAGTATGATGAAATGCTGCTGACGATGGGAAGACACACTATA 1278
Db HisSerGlnLeuAspGlySerGluValLeuLeuLeuThrAspGlyGluAspAsnThrAla 419
1279 AGTGGGTGCTTTAAGAGGTCAAAAGTGGTGGCCATCATCCACACAGTGGG 1338
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420 SerSerCysIleAspGluValLysGlnSerGlyAlaIleValHisPheIleAlaLeuGly 439
1339 CCCTCTGAGCTCAAGAACTAGCAGGAGTGTCCAAAATCACAGGAGTGTTCACAGCATAT 1398
Db ArgAlaAlaAspGluAlaValIleGluMetSerLysIleThrGlyCysSerHisPheTyr 459
1399 GCTTCAGATCAAGTTTCAGAACCAATGCCTCATTTGATGCTTTTGGGCGCTTCATCAGAA 1458
Db ValSerAspGluAlaGlnAsnAsnGlyLeuIleAspAlaPheGlyAlaLeuThrSerGly 479
1459 AATGAGCTGCTCTCTCAGCGCTCCATCCAGCTTGAGAGTGAAGGATTAACTCCAGAAC 1518
Db AsnThrAspLeuSerGlnLysSerLeuGlnLeuGluSerLysGlyLeuThrLeuAsnSer 499
1519 AGCCAGTGTGATCAATGGCACAGTGTGCGACAGCACCGTGGGAAGGACACTTTGTTT 1578
Db AsnAlaTrpMetAsnAspThrValIleIleAspSerThrValGlyLysAspThrPhePhe 519
1579 CTTATCACCTGGACAAACGCGCCTCCCCAAATCTTCTCTGGGATCCCCAGTGACAGAAG 1638
Db LeuIleThrTrpAsnSerLeuProProSerIleSerLeuTrpAspProSerGlyThrIle 539
1639 CAAAGTGGCTTTGTAGTGGACAAACCAAAATGGCCTACTCTCCAAATCCCAGGCAAT 1698
Db MetGluAsnPheThrValAspAlaThrSerLysMetAlaTyrLeuSerIleProGlyThr 559
1699 GCTAAGTTGGCATTGGAAATACAGTCTGCAAGCAAGCTCA-----CAAACTTGACC 1752
Db AlaLysValGlyThrTrpAlaTyrAsnLeuGlnAlaLysAlaAsnProGluThrLeuThr 579
1753 CTGACTGTCACTCCCGTCCGCTCAATGCTACCTCCCTCCCAATTCACAGTACTCCAAA 1812
Db IleThrValThrSerArgAlaAlaAsnSerSerValProProIleThrValAsnAlaLys 599
1813 AGCAACAGGACACAGCAAAATTCGCCAGCTCTGGTATGTTTATGCAATATTCGCCAA 1872
Db MetAsnLysAspValAsnSerPheProSerProMetIleValTyrAlaGluIleLeuGln 619
1873 GGAGCTCCCAATCTCAGGCCAGTGTGCAGCCCTGATTAATGATCAAGTGAAGAAA 1932
Db GlyTyrValProValLeuGlyAlaAsnValThrAlaPheIleGluSerGlnAsnGlyHis 639
1933 ACAGTTACCTCGAATCTGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1992
Db ThrGluValLeuGluLeuLeuAspAsnGlyAlaGlyAlaAspSerPheLysAsnAspGly 659
1993 GTCTACTCAAGTATTTCAAACTTATGACAAATGCTGATGATGATGATGATGATGATGATG 2052
Db ValTyrSerArgTyrPheThrAlaTyrThrGluAsnGlyArgTyrSerLeuLysValArg 679
2053 GCTCTGGGAGGAGTAAACGACGCCAGCGAGTATGATGATGATGATGATGATGATGATGATG 2112
Db AlaHisGlyGlyAlaAsnThrAlaArgLeuLysLeuArgProProLeuAsnArgAlaAla 699
2113 TACATACCTCGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2172
Db TyrIleProGlyTrpValValAsnGlyGluIleGluAlaAsnProProArgProGluIle 719
2173 AATAAGGATGATGTTCAACACAGCAAGTGTGTTTCAGCAGAACATCTCTGGGAGGCTCA 2232
Db Asp---GluAspThrThrThrLeuGluAspPheSerArgThrAlaSerGlyGlyAla 738
2233 TTTGTGGCTTCGTGATGTTCCAAATGCTCCATACCTGATCTCTTCCACCTGGCCAAATC 2292
Db PheValValSerGlnValProSerLeuProLeuProAspGlnTyrProProSerGlnIle 758
2293 ACCGACTCAAGCGGAAATTCACGGGGCAGTCTCATTAATCTGACTTGGACAGCTCCT 2352
Db ThrAspLeuAspAlaThrValHisGluAspLysIleIle---LeuThrTrpThrAlaPro 777
2353 GGGGATGATTATGACCATGGAAACAGCTCAAGTATATCATTCGAATAAGTACAAGTATT 2412
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Db 778 GlyAspAsnPheAspValGlyLysValGlnArgTyrIleIleArgIleSerAlaSerIle 797
QY 2413 CTGTATCTCAGACAGAGTTCATGAATCTCTCAAGTCAATAGTACTACTCTCATCCCA 2472
Db 798 LeuAspLeuArgSerPheAspAlaLeuGlnValAsnThrThrAspLeuSerPro 817
QY 2473 AAGGAGCCCAACTCTGAGGAAGTCTTTTGTGTTAAACCCAGAAACATTACTTTTGAATA 2532
Db 818 LysGluAlaAsnSerLysGluSerPheAlaPheLysProGluAsnIleSerGluGluAen 837
QY 2533 GGCACAGATCTTTTCATCTTATTCAGCTAGCTGTGATAGCTGATCTGAATACAGAAATA 2592
Db 838 AlaThrHisIlePheIleAlaIleLysSerIleAspLysSerAsnLeuThrSerLysVal 857
QY 2593 TCCACATTCGACGAGTATCTTGTGTTTATCTCCACAGACTCCGCCAGACACCTAGT 2652
Db 858 SerAsnIleAlaGlnValThrLeuPheIle---ProGlnAlaAsnProAspAspIleAsp 876
QY 2653 CTGTATGAACGCTCTGCTCTTCTCTTAATATTCATATCAACAGCACCATTCTGCGCAT 2712
Db 877 ProThrProThrProThrProThrProAspLysSerHisAsnSer-----GlyVal 893
QY 2713 CACATTTTAAATAATGAGAGTGGAGTGGATGAGAGACTG 2751
Db 894 AsnIleSerThrLeuValLeuSerValIleGlySerVal 906

RESULT 5
US-09-193-562D-46
; Sequence 46, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; CURRENT FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 46
; LENGTH: 903
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Calcium sensitive chloride channel from bovine tracheal
; OTHER INFORMATION: epithelium (Cunningham et al., 1995, J. Biol Chem., 270:31016-
; OTHER INFORMATION: 31026)
US-09-193-562D-46

Alignment Scores:
Pred. No.: 1,166-205 Length: 903
Score: 2462.50 Matches: 494
Percent Similarity: 71.04% Conservative: 139
Best Local Similarity: 55.44% Mismatches: 233
Query Match: 48.47% Indels: 25
DB: 4 Gaps: 13

US-09-049-696-18 (1-2813) x US-09-193-562D-46 (1-903)
QY 25 ATGGGGCCATTTAAGAGTCTGTGTTTCATCTTGTGATTTCTTACCTTCTAGAGGGCCCTG 84
Db 1 MetValProArgLeuThrValIleLeuPheLeuThrLeuHisLeuLeuProGly---Met 19
QY 85 AGTAATTCATCTCAGCTGAGCAACAACTATGAGGCAATGCTATGAGGCAATGCTGCTGCAATCGAC 144
Db 20 LysSerSerMetValAsnLeuIleAsnAsnGlyTyrAspGlyIleValIleAlaIleAen 39
QY 145 CCCAATGTCAGAGAGTAAACATCTATCAACAAATAAGCATGTGTGACCCAGCA 204
Db 40 ProSerValProGluAspGluLysLeuIleGlnAsnIleLysGluMetValThrGluAla 59
QY 205 TCTCTGTATCTCTTTGAAGCTACAGAAAGCGATTTTATTTCAAAAATGTTGCCATTTTG 264
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Db 60 SerThrTyrLeuPheHisAlaThrLysArgArgValTyrPheArgAsnValSerIleLeu 79
QY 265 ATTCCTGAAACATGAGACAAAGGCTGACTATGTGACACCAAACTTGAGACCTTACAA 324
Db 80 IleProMetThrTrpLysSerLysSerGluTyrLeuMetProLysGlnGluSerTyrAsp 99
QY 325 AATGCTGATGTTCTGTTGCTGAGTCTACTCTCCTCAGGTAATGATGAAACCCCTACACTGAG 384
Db 100 GlnAlaGluValIleValAlaAsnProTyrLeuLysHisGlyAspProTyrThrLeu 119
QY 385 CAGATGGCAACTGTGGAGAGAGGTTGAAAGATCCACCTCCTGCTGATTTCAATGCA 444
Db 120 GlnTyrGlyArgCysGlyGluLysGlyGlnTyrIleHisPheThrProAsnPheLeuLeu 139
QY 445 GGAATAAAGTATGCTGTAATATGGACCAAGGTAGGCAATTTGTCCATGAGTGGGCTCAT 504
Db 140 ThrAsnAsnLeuProIleTyrGlySerArgGlyArgAlaPheValHisGluTrpAlaHis 159
QY 505 CTACGATGGGAGTATTTGACGAGTACAAATATGATGAGAAATTTCTACTTATCC---AAT 561
Db 160 LeuArgTrpGlyIlePheAspGluTyrAsnGlyAspGlnProPheTyrIleSerArgArg 179
QY 562 GGAAGAATACAGCAGTAAGATGTTTCAGCAGGTATTACTGTGTACAAATGCTGTAAGAAG 621
Db 180 AsnThrIleGluAlaThrArgCysSerThrHisIleThrGlyThrAsnValIleValLys 199
QY 622 TGTCAAGGAGGAGCTGTTTACACAAAGATGCACATTCATATAAAGTACAGGACTCTAT 681
Db 200 CysGlnGlyGlySerCysIleThrArgProCysArgArgAspSerGlnThrGlyLeuTyr 219
QY 682 GAAAAGGATGTGAGTTGTTCTCCAAATCCCGCCAGACGAGAGGCTTCTATAATGTTT 741
Db 220 GluAlaLysCysThrPheIleProGluLysSerGlnThrAlaArgGluSerIleMetPhe 239
QY 742 GCACAACTGTTGATTTCTATATGTTCAATTTCTGTACAGAACAAACACCAAAAGAGCT 801
Db 240 MetGlnSerLeuHisSerValThrGluPheCysThrGluLysThrHisAsnValGluAla 259
QY 802 CCAACAAAGCAAAATCAAAAATGCATCTCCGACACATGCGAAGATGATCGTGATTC 861
Db 260 ProAsnLeuGlnAsnLysMetCysAsnGlyLysSerThrTrpAspValIleMetAsnSer 279
QY 862 GAGGACTTTAAGAAACCACTCTCTATGACA-----ACACAGCCACCAATCCCACTTC 915
Db 280 ThrAspPheGlnAsnThrSerProMetThrGluMetAsnProThrGlnProThrPhe 299
QY 916 TCATTGCTGCAGATTTGGACAAAGAAATTTGTGTTTGTAGTCTTGTACAAAATCTGGAAGCATG 975
Db 300 SerLeuLeuLysSerLysGlnArgValValCysLeuValLeuAspLysSerGlySerMet 319
QY 976 GCGACTGTAAACCGCTCAATCGACTGAATCAGAGCGGCGAGCTTTCTGCTGTCAGACA 1035
Db 320 SerSerGluAspArgLeuPheArgMetAsnGlnAlaGluLeuPheLeuIleGlnIle 339
QY 1036 GTTGAGCTGGGCTCTGTTGGATGCTGATTTGACATTTGACATGCTGCGCCATGTACAAAGT 1095
Db 340 IleGluLysGlySerLeuValGlyMetValThrPheAspSerValAlaGluIleArgAsn 359
QY 1096 GAATCATACATGATAAACAGTGGCAGTCACAGGACACACTCCGCCAAAAGATTACTGCA 1155
Db 360 AsnLeuThrLysIleThrAspAspAsnValTyrGluAsnIleThrAlaAsnLeuProGln 379
QY 1156 GCAGCTTCAGAGGAGCACTCATCTGACGCGGCTTCGATCGGCAATTT---ACTGTGATT 1212
Db 380 GluAlaAsnGlyGlyThrSerIleCysArgGlyLeuLysAlaGlyPheGlnAlaIleIle 399
QY 1213 AGGAAGAATATCCAACTGATGCTCAATTTGCTGCTGACGCGGAGGAGACAC 1272
Db 400 GlnSerGlnGlnSerThrSerGlySerGluIleIleLeuLeuThrAspGlyGluAspAsn 419
QY 1273 ACTATAAGTGGTGTCTTTAAGCAGGTCAAACAAAGTGGTGCCATCATCATCACACATCGCT 1332
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Db 420 GluIleHisSerCysIleGluGluValLysGlnSerGlyValIleHisThrValAla 439
QY 1333 TTGGGGCCCTCTGAGCTCAAGAACTAGAGGAGCTGTCCAAATGACAGAGGTTTACAG 1392
Db 440 LeuGlyProSerAlaAlaLysGluLeuGluThrLeuSerAspMetThrGlyGlyHisArg 459
QY 1393 ACATATGCTTCAGATCAAGTTGAGAACATGGCTCATGATGCTTTGGGGCCCTTTCA 1452
Db 460 PheTyrAlaAsnLysAspIle-----AenGlyLeuThrAsnAlaPheSerArgIleSer 477
QY 1453 TCAGGAATGAGGCTCTCTCAGCGCTCCATCCAGCTTGCAGTGAAGGATTAACCTC 1512
Db 478 SerArgSerGlySerIleThrGlnThrIleGlnLeuGluSerLysAlaLeuAlaIle 497
QY 1513 CAGAACAGCCAGTGGATGAATGGCAGTGTGTCGACAGCAGCCGTGGGAAGACACT 1572
Db 498 ThrGluLysLysTrpValAsnGlyThrValProValAspSerThrIleGlyAsnAspThr 517
QY 1573 TTGTTTCTTATCAGCTGGACAAGCGCTCCCAAAATCCTCTCTGGGATCCCAAGTGA 1632
Db 518 PhePheValValThrTrpThrIleLysLysProGluIleLeuLeuGlnAspProLysGly 537
QY 1633 CAG-----AACCAAGTGGCTTGTAGTGGACAAA---AACACCAAAATGCGCTACCTC 1683
Db 538 LysLysTyrLysThrSerAspPheLysGluAspLysLeuAsnIleHisSerAlaArgLeu 557
QY 1684 CAAATCCCAAGCATGCTAAGGTGGCACTTGGAAATACAGTCTG-----CAAGCA 1734
Db 558 ArgIleProGlyIleAlaGluThrGlyThrTrpThrTyrSerLeuLeuAsnHisAla 577
QY 1735 AGCTCACAACCTTGACCTGACTGTACGTCCTGGTCCCAATGCTACCTGCTCCCA 1794
Db 578 SerProGlnLeuLeuThrValThrValThrArgAlaArgSerProThrThrProPro 597
QY 1795 ATTACAGTACTTCCAAACAGAACAGCACACCAAAATCCCGAGCCCTCTGAGTT 1854
Db 598 ValThrAlaThrAlaHisMetAsnGlnAsnThrAlaHisTyrProSerProValIleVal 617
QY 1855 TATGCAATATATCGCAAGGAGCTCCCAATCTCAGGGCCAGTGTACAGCCCTGATT 1914
Db 618 TyrAlaGlnValSerGlnGlyPheLeuProValLeuGlyIleAsnValThrAlaIleIle 637
QY 1915 GAATCAGTGAATGGAACACAGTTACTTGGAACTACTGGATAATGAGAGGCTGCTGAT 1974
Db 638 GluThrGluAspGlyHisGlnValThrLeuGluLeuTyrAspAsnGlyAlaGlyAlaAsp 657
QY 1975 GCTACTAAGATGACGGTGTCTACTCAAGGTATTTACAACTTATGACACGAATGCTAGA 2034
Db 658 AlaThrLysAspAspGlyValTyrSerArgTyrPheThrThrTyrAspThrAsnGlyArg 677
QY 2035 TACAGTGTAAAAGTGGGGCTCTGGAGGAGTTAAGCAGCAGCAGCGGAGAGTGATACC 2094
Db 678 TyrSerValLysValHisAlaGluAlaArgAsnAsnThrAlaArgLeuSerLeuArgGln 697
QY 2095 CAGCAGAGTGGAGCTGTACATACCTGCTGCTGATGAGAATGATCAATACAAATGGAAT 2154
Db 698 ProGlnAsnLysAlaLeuTyrIleProGlyTyrIleGluAsnGlyLysIleIleLeuAsn 717
QY 2155 CCACCAAGACCTGAATTAATTAAGATGATTTCAACACACCAAGTG---TGTTCAGC 2211
Db 718 ProProArgProGluVal---LysAspAspLeuAlaLysAlaGluIleGluAspPheSer 736
QY 2212 AGAACATCTCGGGAGGCTCATTTGGGCTTGTGCTGTCCAAATGCTCCCATACCTGAT 2271
Db 737 ArgLeuThrSerGlySerPheThrValSerGlyAlaProProGlyAsnHisProSer 756
QY 2272 CTCCTTCCCACTGGCCAAATACCGACCTGAAGGCG-----GAAATTCACGGGGC 2322
Db 757 ValLeuProProAsnLysIleThrAspLeuGluAlaLysPheLysGluAspHis----- 774
QY 2323 AGTCTCATTAATCTGACTTGGACAGCTCTCGGGGATGATATTGACCATGGAACAGCTCAC 2382
Db 775 -----IleGlnLeuSerTrpThrAlaProAlaAsnValLeuAspLysGlyLysAlaAsn 792

QY 2383 AAGTATATCATTCGAATAAGTACAAGTATTCTTGATCTCAGACAGCAAGTTCAATCAATCT 2442
Db 793 SerTyrIleIleArgIleSerLysSerPheLeuAspLeuGlnLysAspPheAspAla 812
QY 2443 CTTCAAGTGAATACTACTGCTCTCTATCCCAAGGAGCAACTCTGAGGAAGTCTTTTGTG 2502
Db 813 ThrLeuValAsnThrSerSerLeuLysProLysGluAlaGlySerAspGluAsnPheGlu 832
QY 2503 TTTAAACCAAGAAACATTACTTTTGAATAATGCACAGATCTTTTTCATTCGTTATTGAGGCT 2562
Db 833 PheLysProGluProPheArgIleGluAsnGlyThrAsnPheTyrIleAlaValGlnAla 852
QY 2563 GTTGATAAGGTGATCTGAAATCAGAAATATCCAACTTGACACGAGTATCTTTGTTTATT 2622
Db 853 IleAsnGluAlaAsnLeuThrSerGluValSerAsnIleAlaGlnAlaIleLysPheIle 872
QY 2623 CTTCCACAGACTCCGCCACAGACACCTAGTCTCT 2655
Db 873 Pro-----MetProGluAspSerValPro 880

RESULT 6

US-09-623-624-18
; Sequence 18, Application US/09623624
; Patent No. 6576434
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders

; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/09/623,624
; CURRENT FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,472
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,110
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,168
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/980,872
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 18
; LENGTH: 903
; TYPE: PRT
; ORGANISM: Bos taurus
US-09-623-624-18

Alignment Scores:

Pred. No.: 3,196-201 Length: 903
Score: 2411.50 Matches: 483
Percent Similarity: 70.37% Conservative: 144
Best Local Similarity: 54.21% Mismatches: 239
Query Match: 47.47% Indels: 25
DB: 4 Gaps: 13


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QY 2155 CCACCAAGACCTGAAATTAATAGGATGATGTTCAACACAGCAAGT---TGTTTCAGC 2211
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Db 718 ProProArgProGluVal---LysAspAspLeuAlaLysAlaGluLeuGluAspPheSer 736
|||
QY 2212 AGAACATCTCCGGAGGCTCATTTGGCTTCTGATGTCCAAATGCTCCCATACCTGAT 2271
|||
Db 737 ArgLeuThrSerGlyGlySerPheThrValSerGlyAlaProProGlyAsnHisProSer 756
|||
QY 2272 CTCCTCCACCTGGCCAAATCAACCGACCTGAAGGCG-----GAAATTCACCGGGGC 2322
|||
Db 757 ValLeuProProAsnLysIleLeuAspLeuGluAlaLysPheLysGluAspHis----- 774
|||
QY 2323 AGTCCTCAATTAATCTGATCTGGACAGCTCTCTGGGATGATTATGACCATGGAACAGCTCAC 2382
|||
Db 775 -----IleGlnLeuSerTrpThrAlaProAlaAsnValLeuAspLysGlyLysAlaAsn 792
|||
QY 2383 AAGTATATCAATTCGAATAAGTCAAGTATCTTGATCTCAGAGACAAGTTCAATGAATCT 2442
|||
Db 793 SerTyrllelleargileSerLysSerPheLeuAspLeuGlnLysAspPheAspAla 812
|||
QY 2443 CTTCAAGTGAATACTACTCTCTCAATCCCAAGGAGCAACTCTGAGGAAGTCTTTTG 2502
|||
Db 813 ThrLeuValAsnThrSerSerLeuLysProLysGluAlaGlySerAspGluAsnPheGlu 832
|||
QY 2503 TTTAAACCAAGAAACATTAATCTTTGAAATGGCACAGATCTTTTCAATGCTATTCAGGCT 2562
|||
Db 833 PheLysProGluProPheArgileGluAsnGlyThrAsnPheTyrlleAlaValGlnAla 852
|||
QY 2563 GTTGATAAGTTCGATCTGAAATCAGAAATATCAACATTCGACGAGTATCTTTGTTATT 2622
|||
Db 853 IleAsnGluAlaAsnLeuThrSerGluValSerAsnIleAlaGlnAlaIleLysPheIle 872
|||
QY 2623 CTCCACAGACTCCGCGCAGAGACACCTAGTCTCT 2655
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Db 873 Pro-----MetProGluAspSerValPro 880
|||

RESULT 7
US-09-193-562D-2
; Sequence 2, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; FILE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; CURRENT FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 2
; LENGTH: 905
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Lu-ECAM-1 precursor from bovine endothelial cells
US-09-193-562D-2

Alignment Scores:
Pred. No.: 5,92e-194 Length: 905
Score: 2328.00 Matches: 465
Percent Similarity: 69.84% Conservative: 144
Best Local Similarity: 53.33% Mismatches: 247
Query Match: 45.83% Indels: 16
DB: 4 Gaps: 11

US-09-049-696-18 (1-2813) x US-09-193-562D-2 (1-905)

QY 46 GTGTCATCTGTTGTTTACCTTCTAGAGGGGCGCTGAGTAATTCATCTCAGCTG 105
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Db 8 IleLeuPheLeuThrLeuHisLeuLeuProGly---MetLysSerSerMetValAsnLeu 26
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QY 106 AACAAATGGCTATGAGGCAATGTGTTGCAATCGACCCCAATGTGCCAGAAGATGAA 165
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Db 27 IleAsnAsnGlyTyAspGlyIleValIleAlaIleAsnProSerValProGluAspGlu 46
|||
QY 166 ACACCTCATTCAACAATAAGACATGTTGAGCCAGCATCTCTGTATCTGTTTGAAGCT 225
|||
Db 47 LysLeuIleGluAsnIleLysGluMetValThrGluAlaSerThrTyrlleuPheHisAla 66
|||
QY 226 ACAGGAACGCGATTTTATTTCAAAATGTTGCCATTTTCATTCCTGAAACATGGAAGACA 285
|||
Db 67 ThrLysArgValTyrllePheArgAsnValSerIleLeuIleProMetThrTrpLysSer 86
|||
QY 286 AAGGTGCTACTGTGAGACCAAACTTGAGACCTACAAAATGCTGATCTCTGTTGCT 345
|||
Db 87 LysSerGluTyrllePheProLysGlnGluSerTyrlleAspGlnAlaAspValIleAla 106
|||
QY 346 GAGTCTACTCTCCAGGTAATGATGAACCTACACTGAGCAGATGGCAACTGTGTGAGAG 405
|||
Db 107 AsnProTyrlleLysTyrlleGlyAspAspProTyrlleLysGlnTyrlleGlyArgCysGlyGlu 126
|||
QY 406 AAGGTGAAAGGATCCACCTCACTCTGATTTTCATTTGAGGAGGAAAAGTTAGCTGAATAT 465
|||
Db 127 LysGlyLysTyrlleHisPheThrProAsnPheLeuThrAsnAsnPheHisIleTyrlle 146
|||
QY 466 GCACCAAGGTAGGCGATTTGTCATGAGTGGGCTCATCTACGATGGGAGGATTTTGAC 525
|||
Db 147 GlySerArgGlyArgValPheValHisGluTrpAlaHisLeuArgTrpGlyIlePheAsp 166
|||
QY 526 GAGTCAACAATAATGAGAGAAATTTCTACTTATCC---AATGGAAGATAACAACAGTGAAGA 582
|||
Db 167 GluTyrlleAsnValAspGlnProPheTyrlleSerArgLysAsnThrIleGluAlaThrArg 186
|||
QY 583 TCTTCAGCAGGTATTACTGTGTAACAATGAGTA---AAGAAGTGTGAGGAGGACGCTGT 639
|||
Db 187 CysSerThrHisIleThrGlyIleAsnValPheLysLysCysProGlyGlySerCys 206
|||
QY 640 TACACCAAAAGATGCACATTCATTAAGTAACAGGACTCTATGAAAAGAGTGTGAGTTT 699
|||
Db 207 IleThrSerLeuCysArgAspSerGlnThrGlyLeuTyrlleGluAlaLysCysThrPhe 226
|||
QY 700 GTTCTCCAATCCCGCAGCAGGAGGCTTCTATAATGTTTGCACAAATGTTGATTTCT 759
|||
Db 227 LeuProLysLysSerGlnThrAlaLysGluSerIleMetPheMetProSerLeuHisSer 246
|||
QY 760 ATAGTTGAATTTCTGACAGAACAAACCAACAAGAGCTCCAAACAGCAAAATCAAA 819
|||
Db 247 ValThrGluPheCysThrGluLysThrHisAsnThrGluAlaProAsnLeuGlnAsnLys 266
|||
QY 820 AATGCAATCTCCGAGACATGGGAAGTGTGCGTGTGATTCCTGAGGACTTTTAAGAAAACC 879
|||
Db 267 MetCysAsnGlyLysSerThrTrpAspValIleMetAsnSerValAspPheGlnAsnThr 286
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QY 880 ACTCTCTATGACA-----ACACAGCCCAACCAATCCCACTCTCTCATTTGTCGAGATGGA 933
|||
Db 287 SerProMetThrGluMetAsnProProThrHisProThrPheSerLeuLeuLysSerLys 306
|||
QY 934 CAAGAATTTGTTGTTTACTCTTCACAAATCTGGAAGCATGCGGCTGTTAAACCCGCTC 993
|||
Db 307 GlnArgValValCysLeuValLeuAspLysSerGlySerMetSerAlaGluAspArgLeu 326
|||
QY 994 AATCGACTGAATCAAGCAGGCGGCTTTTCTGCTGTCGACAGACTGAGTGGGCTCTCGG 1053
|||
Db 327 PheGlnMetAsnGlnAlaAlaGluLeuTyrlleGlnValIleGluLysGlySerLeu 346
|||
QY 1054 GTTGGGATGTCACATTTGACAGCTGCTGCCCATGTACAAAGTGAACCTCATACAGATAAAC 1113
|||
Db 347 ValGlyMetValThrPheAspSerValAlaGluIleGlnAsnHisLeuThrArgIleThr 366
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QY 1114 AGTGGCAGTGCAGGAGCACACTCCGCCAAAAGATTACCTGCGACGACTTTCAGAGGAGCG 1173
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Db 367 AspAspAsnValTyrlleGlnLysIleThrAlaLysLeuProGlnValAlaAsnGlyThr 386
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QY 1174 TCCATCTGCGCGGCTTCGATCGCGATTT---ACTGTGATTTAGGAAGAAATATCCAACT 1230
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127	LysGlyLysTyrIleHisPheThrProAsnPheLeuLeuThrAsnAsnPheHisIleTyr	146
466	GGACCAACAAGTGGGCAATTGTGTCATGAGTGGGCTCATACGATGGGAGATTGTGAC	525
147	GlySerArgGlyArgValPheValHisGluTrpAlaHisLeuArgTrpGlyIlePheAsp	166
526	GAGTACAATTAATGATGAGAAATTCTACTTATCC---AATGGAAGATACAAGCAGTAAGA	582
167	GluTyrAsnValAspGlnProPheTyrIleSerArgLysAsnThrIleGluAlaThrArg	186
583	TGTTACAGCGATTACTCGGTACAAATCTAGTA---AAGAAGTCTCAGGAGCGACGTGT	639
187	CysSerThrHisIleThrGlyIleAsnValValPheLysLysCysProGlyGlySerCys	206
640	TACACCAAAAGATGCACATTCAATAAAGTAAACGAGACTCTATGAAAAGATGTGAGTTT	699
207	IleThrSerLeuCysArgArgAspSerGlnThrGlyLeuTyrGluAlaLysCysThrPhe	226
700	GTTCCTCAATCCCGCCAGACGGAGAAAGCGTCTTATAATGTTTGTCACAAATGTGATCT	759
227	LeuProLysIysSerGlnThrAlaLysGluSerIleMetPheMetProSerLeuHisSer	246
760	ATAGTTGAATTCGTACAGAACCAAAACCACAAACAAGAAGCTCCAAACAGCAAAATCAA	819
247	ValThrGluPheCysThrGluLysThrHisAsnThrGluAlaProAsnLeuGlnAsnLys	266
820	AAATGCAATCTCCGAAGCACATGGGAAGTGCATCGTGATTCTGAGGACTTTAAGAAAACC	879
267	MetCysAsnGlyLysSerThrTrpAspValIleMetAsnSerValAspPheGlnAsnThr	286
880	ACTCCTATGACA-----ACACAGCCACCAATCCCACTTCTCATGTGTCAGATTGGA	933
287	SerProMetThrGluMetAsnProProThrHisProThrPheSerLeuLeuLysSerLys	306
934	CAAGAATAATGTGTTTGTAGTCTCTTGACAAATCTGGAAGCATGCGGACTGTAACCGCTC	993
307	GlnArgValValCysLeuValLeuAspLysSerGlySerMetSerMetGluAluAspArgLeu	326
994	AATCGACTGAATCAAGCAGGCCAGCTTTCTCGTCGCAGACAGTGTAGCTGGGCTCTCG	1053
327	PheGlnMetAsnGlnAlaGluLeuTyrLeuIleGlnValIleGluLysGlySerLeu	346
1054	GTGCGGATGTGATTTGACAGTGTGCGCCATGTATCAAAATGAACTCATACAGATAAAC	1113
347	ValGlyMetValThrPheAspSerValAlaGluIleGlnAsnHisLeuThrArgIleThr	366
1114	AGTGGCAGTGACAGGGACACACTCGCCAAAGATTACTCTGCAGAGCTTCAGAGGGACG	1173
367	AspAspAsnValTyrGlnLysIleThrAlaLysLeuProGlnValAlaAsnGlyGlyThr	386
1174	TCCATCTGCAGCGGCTTCGATCGGCATT---ACTGTGATTAGGAAGAATATCCAAC	1230
387	SerIleCysArgGlyLeuLysAlaGlyPheGlnAlaIleHisSerAspGlnSerThr	406
1231	GATCGATCTCAAAATGTGCTGCTCAGCGATGGGGAAGACAACTATAAATGGGTGCTTT	1290
407	SerGlySerGluIleIleLeuLeuThrAspGlyGluAspAsnGluIleAsnSerCysPhe	426
1291	AACGAGTCAAAACAAGTGTGCGCATCATCCACAGTCGCTTTGGGGCCCTCTGAGCT	1350
427	GluAspValLysArgSerGlyAlaIleIleHisThrIleAlaLeuGlyProSerAlaAla	446
1351	CAAGAACTACAGGAGCTGTCCAAATACACAGGAGGTTTACAGACATATGCTTCAGATCAA	1410
447	LysGluLeuGluThrLysSerAsnMetThrGlyGlyTyrArgPhePheAlaAsnLysAsp	466
1411	GTTCCAGAACAAATGGCCTCATTTGATGCTTTTGGGGCCCTTTTCATCAGGAAATGAGCTG	1470
467	Ile-----ThrGlyLeuThrAsnAlaPheSerArgIleSerSerArgSerGlySerIle	484
1471	TCTCAGCGCTCCATCCAGCTTGAGTAAGGATTAACCTCCAGAACACGCCAGTGGATG	1530
485	ThrGlnGlnAlaIleGlnLeuGluSerLysAlaLeuLysIleThrGlyAlaArgLysArgVal	504

RESULT 11

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RES. 11
US-09-193-562D-12
; Sequence 12, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedict U.
; TITLE OF INVENTION: Nucleotide Sequences Encod
; TITLE OF INVENTION: Activated Chloride Channe
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; CURRENT FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922

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Db	267	MetCysAsnGlyLysSerThrTrpAspValIleWetAsnSerValAspPheGlnAsnThr	286
Qy	880	ACTCCTATGACA-----ACACAGCACCAAAATCCCACTTCTCATTTGCTGCAGATTGGA	933
Db	287	SerProMetThrGluMetAsnProProThrHisProThrPheSerLeuLeuLysSerLys	306
Qy	934	CAAGAATAATTGTGTTAGTCTCTTGACAAATCTGGAAGCATGGGACTGTTACCGGCTC	993
Db	307	GlnArgValValCysLeuValLeuAspLysSerGlySerMetSerAlaGluAspArgLeu	326
Qy	994	AATCGACTGAATCAAGCAGGCCAGCTTTCTCTGCTGCAGACAGTTGAGCTGGGCTCCTGG	1053
Db	327	PheGlnMetAsnGlnAlaAlaGluLeuLysLeuIleGlnValIleGluLysGlySerLeu	346
Qy	1054	GTGGGATGTCATGATTTGACAGTGTCTGCCATCTGTACAAATGTAACATCATACATAAAC	1113
Db	347	ValGlyMetValThrPheAspSerValAlaGluIleGlnAsnHisLeuThrArgIleThr	366
Qy	1114	AGTGGCAGTCACAGGAGACACATCTGCCAAAGATTAATCTCGCAGCAGCTTCAGAGGAGC	1173
Db	367	AspAspAsnValTyrGlnLysIleThrAlaLysLeuProGlnValAlaAsnGlyGlyThr	386
Qy	1174	TCCATCTGCAGCGGCTTCATCGGCATTT---ACTGTGATTAGGAAGAATATCCAACT	1230
Db	387	SerIleCysArgGlyLeuLysAlaGlyPheGlnAlaIleHisSerAspGlnSerThr	406
Qy	1231	GATGGATCTCAAAATTTGCTGCTGACGATGGGGAAGAACACACTATAAGTGGGTGCTTT	1290
Db	407	SerGlySerGluIleLeuLeuThrAspGlyGluAspAsnGluIleAsnSerCysPhe	426
Qy	1291	AACGAGGTCAAAAGTGTGTCATCATCCACACAGTCGCTTTGGGGCCCTCTGCAGCT	1350
Db	427	GluAspValLysArgSerGlyAlaIleHisThrIleAlaLeuGlyProSerAlaAla	446
Qy	1351	CAAGNACTAGAGGCTGTCCTCAAAATACACAGGAGTTTACAGACATATGTTCCAGATCAA	1410
Db	447	LysGluLeuGluThrLysSerAsnMetThrGlyGlyTyrArgPhePheAlaAsnLysAsp	466
Qy	1411	GTTCAGAAACAATGGCTCATGTATGCTTTTGGGGCCCTTTCATCAGAAATGAGAGTGC	1470
Db	467	Ile-----ThrGlyLeuThrAsnAlaPheSerArgIleSerArgSerGlySerIle	484
Qy	1471	TCTCAGCGCTCCATCCAGCTTGAGAGTAAGGATTAACCTCCAGAACAGCCAGCTGGAGT	1530
Db	485	ThrGlnGlnAlaIleGlnLeuGluSerLysAlaLeuLysIleThrGlyArgLysArgVal	504
Qy	1531	AATGGCACAGTGATCGTGGACAGCACCGTGGGAAAGGACACTTTGTTCTTATCATCCTGG	1590
Db	505	AsnGlyThrValProValAspSerThrValGlyAsnAspThrPhePheValValThrTrp	524
Qy	1591	ACAACGACGCTCCCAAAATCTTCTCTGGATGCCAGTGCACAG-----AAGCAAGGT	1644
Db	525	ThrIleGlnLysProGluIleValLeuGlnAspProLysGlyLysLysTyrLysThrSer	544
Qy	1645	GGCTTTGTAGTGACAAA---AACACCAAAATGGCTTCCCTCCAAATCCCAAGCATTGCT	1701
Db	545	AspPheLysGluAspLysLeuAsnIleArgSerAlaArgLeuGlnIleProGlyIleAla	564
Qy	1702	AAGTTTGGCACTTGGAAATACAGTCTG-----CAAGCAAGCTCACAAACCTTGACC	1752
Db	565	GluThrGlyThrTrpThrTyrSerLeuLeuAsnAsnHisAlaSerSerGlnMetLeuThr	584
Qy	1753	CTGACTCTCAGTCCCGTGGTCCAATGTCCTGCTACCTGCTCCAAATTCAGTGACTTCCAA	1812
Db	585	ValThrValThrArgAlaArgSerProThrIleProValIleAlaThrAlaHis	604
Qy	1813	ACGAAACAGACACACAGCAAAATCCCCAGCGCTCTGGTAGTTTATGCAAAATATTGCGCAA	1872
Db	605	MetSerGlnHisThrAlaHisTyrProSerProMetIleValTyrAlaGlnValSerGln	624
Qy	1873	GGAGCTCCCAATCTTCAGGGCGAGTGTACAGCCCTGTGATTAATCAGTGAATGGAAAA	1932

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Db 625 GlyPheLeuProValLeuGlyIleSerValIleAlaIleIleGluThrGluAspGlyHis 644
Qy 1933 ACAGTTACCTGGAACTACTGGATATGAGCGAGGCTGCTACTACTAAGGATGACGCT 1992
Db 645 GlnValThrLeuGluLeuTrpAspAenGlyAlaGlyArgAspThrValLysAsnAspGly 664
Qy 1993 GTCTACTCAAGGTATTTCACCACTTATGACCAATGGTAGATACAGTGTAAAGTGGCG 2052
Db 665 IleTyrSerArgTyrPheThrAspTyrTyrGlyAsnGlyArgTyrSerLeuLysValHis 684
Qy 2053 GCTCTGGGAGGAGTTAAGCAGCAGCAGAGAGTATACCCAGCAGAGTGGAGCAGCTG 2112
Db 685 AlaGlnAlaArgAsnAsnThrAlaAArgLeuAsnLeuAArgGlnProGlnAsnLysValLeu 704
Qy 2113 TACATACCTGGCTGGATTGAGATGATGAATACATGGAATCCACCAAGACCTGGAATT 2172
Db 705 TyrValProGlyTyrValGluAsnGlyLysIleIleLeuAsnProProArgProGluVal 724
Qy 2173 AATAAGGATGATGTTCCAAACACAGCAAGTGTGTTTCAGCAGAAACATCCTCGGAGGCTCA 2232
Db 725 LysAspAspLeuAlaLysAlaLysIleGluAspPheSerArgLeuThrSerGlyGlySer 744
Qy 2233 TTGTGGCTTCTGATGTC---CCAAATGCTCCATACCTGATCTTCCCACTGCCCAA 2289
Db 745 PheThrValSerGlyAlaProProGlyAsnHisProSerValPheProProSerLys 764
Qy 2290 ATCACCAGCTGAGCGGAAATTCACGGGGGAGTCTCTATTATCTGACTTGGACAGCT 2349
Db 765 IleThrAspLeuGluAlaLysPheLys---GluAspTyrIleGlnLeuSerTrpThrAla 783
Qy 2350 CTGGGGGATGATTATGACCATGGAACAGCT 2379
Db 784 ProGlyAsnValLeuAspLysGlyLysAla 793

RESULT 12
US-09-643-597-161
; Sequence 161, Application US/09643597
; Patent No. 6426072
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy R.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Henderson, Robert A.
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.455C11
; CURRENT APPLICATION NUMBER: US/09/643,597
; CURRENT FILING DATE: 2000-08-21
; NUMBER OF SEQ ID NOS: 369
; SOFTWARE: FastSeq for Windows version 3.0
; SEQ ID NO 161
; LENGTH: 943
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-643-597-161

Alignment Scores:
Pred. No.: 4.8e-165 Length: 943
Score: 1996.00 Matches: 417
Percent Similarity: 63.26% Conservative: 165
Best Local Similarity: 45.33% Mismatches: 282
Query Match: 39.29% Indels: 56
DB: 4 Gaps: 21

US-09-049-696-18 (1-2813) x US-09-643-597-161 (1-943)
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Db 1 MetThrGlnArgSerIleAla---GlyProIleCysAsnLeuLysPheValThrLeuLeu 19
QY 64 CACCTTCTAGAGGGCCCTGAGTAATTCACCTC-----ATTGAGCTG 105
Db 20 -----ValAlaLeuSerSerGluLeuProPheLeuGlyAlaGlyValGlnLeu 35
QY 106 AACACAATGGCTATGAAGGCATTTGCTGTAATGCAATGACCCCAATGTGCCAGAAGTAA 165
Db 36 GlnAspAsnGlyTyraSngGlyLeuLeuIleAlaIleAsnProGlnValProGluAenGln 55
QY 166 ACACCTCATCAACAATAAAGGACATGGTGACCCAGGCACTCTCTGATCTGTTTGAAGCT 225
Db 56 AsnLeuIleSerAsnIleLysGluMetIleThrGluAlaSerPheTyrrLeuPheAsnAla 75
QY 226 ACAGGAAAGCGATTTATTTCAAAAATGTTGCCATTTGATTTGATTTGATTTGATTTGATTT 285
Db 76 ThrLysArgValPhePheArgAsnIleLysGluMetIleThrGluAlaSerPheTyrrLeuPheAsnAla 95
QY 286 AAGGCTGACTATGTGAGACCAAACTTGAGACCTACAAAATGCTGATGTTCTGGTTGCT 345
Db 96 Asn---AsnAsnSerLysIleLysGlnGluSerTyrrGluLysAlaAsnValIleValThr 114
QY 346 GAGTCTACTCTCCAGGTAATGATGAACCTACATGAGCAGATGGCACTGTGGAGAG 405
Db 115 AspTyrGlyAlaHisGlyAspAspProTyrrThrLeuGlnTyrrArgGlyCysGlyLys 134
QY 406 AAGGTGAAGGATCCACCTCACTCTGATTTGATTTGATTTGATTTGATTTGATTTGATTT 462
Db 135 GluGlyLysTyrrIleHisPheThrProAsnPheLeuLeuAsnAspAsnLeuThrAlaGly 154
QY 463 TATGGACCAACAGTGGGATTTGCTGATGCTGATGCTGATGCTGATGCTGATGCTGATGCT 522
Db 155 TyrrGlySerArgGlyArgValPheValHisGluTrpAlaHisLeuArgTrpGlyValPhe 174
QY 523 GACGAGTACATAATGATGAGAAATTTCTACTATCC---AATGGAAGAATAACAAGCAGTA 579
Db 175 AspGluTyrrAsnAsnAspLysProPheTyrrIleAsnGlyGlnAsnGlnIleLysValThr 194
QY 580 AGATGTTGACGAGTATTACTGTACAAATGATGATGATGATGATGATGATGATGATGATGAT 639
Db 195 ArgCysSerSerAspIleThrGlyIlePheVal-----CysGluLysGlyProCys 211
QY 640 TACACCAAAAGATGCACATTCATAAAGTAAGTAACAGGACTCTATCAAAAAGGATGTGAGTT 699
Db 212 ProGlnGluAsnCysIleLys-----LeuPheLysGluGlyCysThrPhe 228
QY 700 GTTCTCCAAATCCCGCCAGAGGAGGCTTCTATATGTTGTCACAAACATGTTGATTTCT 759
Db 229 IleTyrrAsnSerThrGlnAsnAlaThrAlaSerIleMetPheMetGlnSerLeuSerSer 248
QY 760 ATAGTTGAATTCGTGACAGAACAAACCAACCAAGAGCTCCAAACAAAGCAAAATCAA 819
Db 249 ValValGluPheCysAsnAlaSerThrHisAsnGlnGluAlaProAsnLeuGlnAenGln 268
QY 820 AAATGCAATCTCGAAGCATGGGAGTGATCCGTGATTCTGAGGACTTTAAGAAACC 879
Db 269 MetCysLeuArgSerAlaTrpAspValIleThrAspSerAlaAspPheHisSer 288
QY 880 ACTCCTATG-----ACAACACAGCCACCAAAATCCCACTTCTCATTTGCTGACGATGGA 933
Db 289 PheProMetAsnGlyThrGluLeuProProProProPheSerLeuValGluAlaGly 308
QY 934 CAAAGAATGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 993
Db 309 AspLysValValCysLeuValLeuAspValSerSerLysMetAlaGluAlaAspArgLeu 328
QY 994 AATCGACTGAATCAACGAGCCAGCTTTCTCTGCTGACAGCTGAGCTGGGCTGCTGCTG 1053
Db 329 LeuGlnGlnGlnAlaAlaGluPheTyrrLeuMetGlnIleValGluIleHisThrPhe 348
QY 1054 GTTGGGATGTTGATTTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1113
Db 349 ValGlyIleAlaSerPheAspSerLysGlyGluIleArgAlaGlnLeuHisGlnIleAsn 368

QY 1114 AGTGGCAGTGCACAGGACACACTCGCCAAAAGATTACTCTGCAGCAGCTTTCAGGAGGACG 1173
Db 369 SerAsnAspAspArgLysLeuLeuValSerTyrrLeuProThrThrValSerAlaLysThr 388
QY 1174 -----TCCATCTGCAGCGGCTTCGATCGGCATTTACTGTGATTAAGGAG---AAATAT 1224
Db 389 AspIleSerIleCysSerGlyLeuLysGlyPheGluValValGluLysLeuAenGly 408
QY 1225 CCAACTGATGATCGAAATTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1284
Db 409 LysAlaTyrrGlySerValMetIleLeuValThrSerGlyAspLysLeuLeuGlyAsn 428
QY 1285 TCGCTTTAAACGAGCTCAACAAAGTGGTGCATCATCCACACAGCTCCTTTGGGCGCTCT 1344
Db 429 CysLeuProThrValLeuSerSerGlySerThrIleHisSerIleAlaLeuGlySerSer 448
QY 1345 GCAGCTCAAGAACTAGAGGAGCTGTCCAAAATGACAGGAGGTTTACACATATGTTTCA 1404
Db 449 AlaAlaProAsnLeuGluLeuSerArgLeuThrGlyGlyLeuLysPhePheValPro 468
QY 1405 GATCAAGTTCAACAACATGGCCTCATTTGATGCTTTTGGGCGCTTTCATCAGGAATGGA 1464
Db 469 AspIleSerAsnSerAsnSerMetIleAspAlaPheSerArgIleSerSerGlyThrGly 488
QY 1465 GCTGCTCTCAGCGCTCCATCCAGCTTGAGGTGAGGTAAAGGATTAAACCTCCAGAACAGCCAG 1524
Db 489 AspIlePheGlnGlnHisIleGlnLeuGluSerThrGlyGluAsnValLysProHisHis 508
QY 1525 TGGATGAATGGCACAGTGTGTCGACAGCACCGCTGGGAAAGACACTTTGTTTCTTATC 1584
Db 509 GlnLeuLysAsnThrValThrValAspAsnThrValGlyAsnAspThrMetPheLeuVal 528
QY 1585 ACTGG---ACAAAGCAGCTCCCAATCTCTCTGGGATCCCACTGAGCAGAG--- 1638
Db 529 ThrTrpGlnAlaSerGlyProGluIleIleLeuPheAspProAspGlyArgLysTyrr 548
QY 1639 ---CAAGGTGGCTTCTAGTGACAAAACACCAAAATCGCTTACCTCCAAATCCAGGC 1695
Db 549 TyrrThrAsnAsnPheIleThrAsnLeuThrPheArgThrAlaSerLeuTrpIleProGly 568
QY 1696 ATTGCTAAGTTGGCAGCTTGGAAATACAGTCTG-----CAAGCAAGCTCACAAC 1746
Db 569 ThrAlaLysProGlyHisTrpThrTyrrThrLeuAsnAsnThrHisHisSerLeuGlnAla 588
QY 1747 TTGACCCCTGACTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1806
Db 589 LeuLysValThrValThrSerArgAlaSerAsnSerAlaValProProAlaThrValGlu 608
QY 1807 TCCAAAACGAACAGGACACAGCAAAATCCCGAGCCCTCTGCTGCTGCTGCTGCTGCTGCT 1866
Db 609 AlaPheValGluArgAspSerLeuHisPheProHisProValMetIleTyrrAlaAsnVal 628
QY 1867 CGCCAGGAGCTCCCAATTTCTGAGGCGAGTGTGTCAGCCCTGATTAATCAGTGAAT 1926
Db 629 LysGlnGlyPheTyrrProIleLeuAsnAlaThrValThrAlaThrValGluProGluThr 648
QY 1927 GGAATAACAGTTACTTGGAACTACTGGATAATGAGCGAGGCTGCTGCTGCTGCTGCTGCTGCT 1986
Db 649 GlyAspProValThrLeuArgLeuLeuAspAspGlyAlaGlyAlaAspValIleLysAsn 668
QY 1987 GACGCTGCTACTCAAGGTATTTCAACTTATGACACCAATGGTAGATACAGTGTAAAA 2046
Db 669 AspGlyIleTyrrSerArgTyrrPhePheSerPheAlaAlaAsnGlyArgTyrrSerLeuLys 688
QY 2047 GTGCGGCTCTGGGAGGAGTTAAACGAGCAGCAGGAGAGTGTATACCCAGCAG--- 2100
Db 689 ValHis-----ValAsnHisSerProSerIleSerThrProAlaHisSerIle 704
QY 2101 -----AGTGGAGCTGTGATACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2154
Db 705 ProGlySerHisAlaMetTyrrValProGlyTyrrThrAlaAsnGlyAsnIleGlnMetAsn 724


```

QY 2155 CCACCAAGACTGAAATTAAGGATGATTTCAACCAAGCAAGTGTGTTTCAGACA 2214
Db      |||||      : : : : : : : : : : : : : : : : : : |||||
725 AlaProArgLysSerValGlyArgAsnGluGluArgLysTrp---GlyPheSerArg 743
QY 2215 ACATCTCGGAGGCTCATTTGCTGCTGATGCCAAATGCTCCCATACATGATCTC 2274
Db      |||||      : : : : : : : : : : : : : : : : : : |||||
744 ValSerSerGlyGlySerPheSerValLeuGlyValProAlaGlyProHisProAspVal 763
QY 2275 TTCCCACTGGCCCAATACCAAGCTCAAGCGGAAATTCACGGGGGCGAGTCTCATTAAT 2334
Db      |||||      : : : : : : : : : : : : : : : : : : |||||
764 PheProProCysLysLysLeuAspLeuGluAla---ValLysValGluGluLeuThr 782
QY 2335 CTGACTTGACACAGCTCCTGGGATGATATGACCATGGAACAGCTCACAAAGTATATCAT 2394
Db      |||||      : : : : : : : : : : : : : : : : : : |||||
783 LeuSerTrpThrAlaProGlyGluAspPheAspGlnGlyGlnAlaThrSerTyrGluIle 802
QY 2395 CGAATAAGTACAAAGTATCTTGATCTCAGAGACAACTTCAATGAATCTCTCAAGTGAAT 2454
Db      |||||      : : : : : : : : : : : : : : : : : : |||||
803 ArgMetSerLysSerLeuGlnAsnIleGlnAspPheAsnAsnAlaIleLeuValAsn 822
QY 2455 ACTACTGCTCTATCCCAAGGAGCAACTCTGAGGAAGTCTTTTGTAAACCGAA 2514
Db      |||||      : : : : : : : : : : : : : : : : : : |||||
823 ThrSerLysArgAsnProGlnGlnAlaGlyIleArgGluIlePheThrPheSerProGln 842
QY 2515 AACATTACTTTTGAAATGGCACAGAT----- 2541
Db      |||||      : : : : : : : : : : : : : : : : : : |||||
843 IleSerThr-----AsnGlyProGluHisGlnProAsnGlyGluThrHisGluSerHis 860
QY 2542 ---CTTTTCATTGCTATTTCAGGCTGTGATAGGTCGATCTGAATCAGAAATATCCAAC 2598
Db      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
861 ArgIleTyrValAlaIleArgAlaMetAspArgAsnSerLeuGlnSerAlaValSerAsn 880
QY 2599 ATTGCACGAGTATCTTTGTTTATTCCTCCACAGACTCCGCCAGACACCTAGTCTGAT 2658
Db      |||||      : : : : : : : : : : : : : : : : : : |||||
881 IleAlaGlnAlaProLeuPheIleProProAsnSerAspPro---ValProAlaArgAsp 899

```

Search completed: April 21, 2004, 16:44:41
Job time : 110.952 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: April 24, 2004, 04:05:52 ; Search time 56.7269 Seconds

(without alignments)
8424.829 Million cell updates/sec

Title: US-09-049-696-17

Perfect score: 106

Sequence: 1 GGCATTCACATTTTAAATAAT.....AAAATAATCATTCATCCTT 106

Scoring table: IDENTITY NUC

Gapop 10_0 , Gapext 1.0

Searched: 2907579 seqs, 2254313464 residues

Total number of hits satisfying chosen parameters: 5815158

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA:*

- 1: /cgn2_6/ptodata/2/pubpna/US07_PUBCOMB.seq:*
- 2: /cgn2_6/ptodata/2/pubpna/US07_PUBCOMB.seq:*
- 3: /cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq:*
- 4: /cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq:*
- 5: /cgn2_6/ptodata/2/pubpna/US07_PUBCOMB.seq:*
- 6: /cgn2_6/ptodata/2/pubpna/US07_PUBCOMB.seq:*
- 7: /cgn2_6/ptodata/2/pubpna/US08_PUBCOMB.seq:*
- 8: /cgn2_6/ptodata/2/pubpna/US08_PUBCOMB.seq:*
- 9: /cgn2_6/ptodata/2/pubpna/US09_PUBCOMB.seq:*
- 10: /cgn2_6/ptodata/2/pubpna/US09_PUBCOMB.seq:*
- 11: /cgn2_6/ptodata/2/pubpna/US09_PUBCOMB.seq:*
- 12: /cgn2_6/ptodata/2/pubpna/US09_PUBCOMB.seq:*
- 13: /cgn2_6/ptodata/2/pubpna/US10_PUBCOMB.seq:*
- 14: /cgn2_6/ptodata/2/pubpna/US10_PUBCOMB.seq:*
- 15: /cgn2_6/ptodata/2/pubpna/US10_PUBCOMB.seq:*
- 16: /cgn2_6/ptodata/2/pubpna/US10_PUBCOMB.seq:*
- 17: /cgn2_6/ptodata/2/pubpna/US10_PUBCOMB.seq:*
- 18: /cgn2_6/ptodata/2/pubpna/US10_PUBCOMB.seq:*
- 19: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
C 1	106	100.0	230	15	US-10-066-543-1621
C 2	106	100.0	376	15	US-10-066-543-22
C 3	106	100.0	411	15	US-10-060-036-2975
C 4	106	100.0	482	15	US-10-066-543-2792
C 5	106	100.0	482	15	US-10-060-036-2601
C 6	106	100.0	482	15	US-10-066-543-181
C 7	106	100.0	482	15	US-10-066-543-1737
C 8	106	100.0	482	15	US-10-066-543-1898
C 9	106	100.0	482	15	US-10-066-543-2241
C 10	106	100.0	483	15	US-10-066-543-2794
C 11	106	100.0	524	9	US-09-998-598-2534
C 12	106	100.0	1512	16	US-10-305-720-850
C 13	106	100.0	2854	15	US-10-106-698-1971
C 14	106	100.0	2867	15	US-10-106-698-351

15	106	100.0	3007	15	US-10-055-4128-27	Sequence 27, Appl
16	106	100.0	3109	15	US-10-106-698-2111	Sequence 2111, Ap
17	106	100.0	3111	9	US-09-823-356-25	Sequence 25, Appl
18	106	100.0	3111	9	US-09-981-353-191	Sequence 191, Ap
19	106	100.0	3111	15	US-10-235-994-25	Sequence 25, Appl
20	106	100.0	3267	9	US-09-764-868-22	Sequence 22, Appl
21	106	100.0	3311	9	US-09-922-217-1056	Sequence 1056, Ap
22	106	100.0	3311	9	US-09-833-263-1056	Sequence 1056, Ap
23	106	100.0	3311	14	US-10-025-380-1056	Sequence 11, Appl
24	106	100.0	3311	15	US-10-393-590-11	Sequence 12, Appl
25	106	100.0	3311	15	US-10-393-590-12	Sequence 46, Appl
26	106	100.0	3311	15	US-10-393-590-46	Sequence 47, Appl
27	106	100.0	3311	15	US-10-393-590-47	Sequence 11, Appl
28	106	100.0	3311	15	US-10-393-567-11	Sequence 12, Appl
29	106	100.0	3311	15	US-10-393-567-12	Sequence 46, Appl
30	106	100.0	3311	15	US-10-393-567-46	Sequence 11, Appl
31	106	100.0	3311	15	US-10-393-567-47	Sequence 47, Appl
32	106	100.0	3311	15	US-10-394-087-11	Sequence 12, Appl
33	106	100.0	3311	15	US-10-394-087-12	Sequence 46, Appl
34	106	100.0	3311	15	US-10-394-087-47	Sequence 171, Ap
35	106	100.0	3311	15	US-10-066-543-1971	Sequence 8, Appl
C 36	105	99.1	389	15	US-09-988-292-8	Sequence 1927, Ap
C 37	76.8	72.5	878	13	US-10-086-543-1927	Sequence 5, Appl
C 38	69	65.1	142	15	US-10-086-543-1927	Sequence 3, Appl
C 39	63	59.4	2745	10	US-09-867-034-3	Sequence 1, Appl
C 40	63	59.4	4569	13	US-10-276-115-3	Sequence 6384, Ap
C 41	63	59.4	4569	13	US-10-276-115-3	Sequence 29440, A
C 42	47.4	44.7	2931	15	US-10-270-595-1	Sequence 137892,
C 43	31.2	29.4	1240	13	US-10-425-114-6384	
C 44	31.2	29.4	1242	13	US-10-425-114-6384	
C 45	31.2	29.4	1254	13	US-10-424-599-137892	

ALIGNMENTS

RESULT 1

US-10-066-543-1621/c
; Sequence 1621, Application US/10066543
; Publication No. US20030087818A1
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yugu
; APPLICANT: Pyle, Ruth A.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Indrias, Carol Yoseph
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather
; APPLICANT: Carter, Darrick
; APPLICANT: Fanger, Gary R.
; APPLICANT: Smith, Carole L.
; APPLICANT: Durham, Margarita
; APPLICANT: Stolk, John A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.563
; CURRENT APPLICATION NUMBER: US/10/066,543
; NUMBER OF SEQ ID NOS: 3417
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1621
; LENGTH: 230
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 193, 194, 225, 226
; OTHER INFORMATION: n = A,T,C or G
US-10-066-543-1621

Query Match 100.0%; Score 106; DB 15; Length 230;
Best Local Similarity 100.0%; Pred. No. 1.3e-23;
Matches 106; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGCATTACATTTTAAAAAATTATGTGGAGTGGATAGAGAACTGCAGCTGTCAATAGCC 60
|||||
Db 179 GGCATTACATTTTAAAAAATTATGTGGAGTGGATAGAGAACTGCAGCTGTCAATAGCC 120
|||||
QY 61 TAGGGCTGAATTTTGTTCAGATAAAATAAAATCAATTCATCCCTT 106
|||||
Db 119 TAGGGCTGAATTTTGTTCAGATAAAATAAAATCAATTCATCCCTT 74
|||||

RESULT 2

US-10-066-543-22/c
; Sequence 22, Application US/10066543
; Publication No. US20030087818A1
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yugu
; APPLICANT: Pyle, Ruth A.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Indirias, Carol Yoseph
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather
; APPLICANT: Carter, Darrick
; APPLICANT: Fanger, Gary R.
; APPLICANT: Smith, Carole L.
; APPLICANT: Durham, Margarita
; APPLICANT: Stolk, John A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.563
; CURRENT APPLICATION NUMBER: US/10/066,543
; CURRENT FILING DATE: 2002-01-31
; NUMBER OF SEQ ID NOS: 3417
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 22
; LENGTH: 376
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-066-543-22

Query Match 100.0%; Score 106; DB 15; Length 376;
Best Local Similarity 100.0%; Pred. No. 1.5e-23;
Matches 106; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGCATTACATTTTAAAAAATTATGTGGAGTGGATAGAGAACTGCAGCTGTCAATAGCC 60
Db 206 GGCATTACATTTTAAAAAATTATGTGGAGTGGATAGAGAACTGCAGCTGTCAATAGCC 147
QY 61 TAGGGCTGAATTTTGTTCAGATAAAATAAAATCAATTCATCCCTT 106
Db 146 TAGGGCTGAATTTTGTTCAGATAAAATAAAATCAATTCATCCCTT 101

RESULT 3

US-10-060-036-2975
; Sequence 2975, Application US/10060036
; Publication No. US20030073144A1
; GENERAL INFORMATION:
; APPLICANT: Benson, Darin R.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Persing, David H.
; APPLICANT: Hepler, William T.
; APPLICANT: Jiang, Yugu
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.566
; CURRENT APPLICATION NUMBER: US/10/060,036
; CURRENT FILING DATE: 2002-01-30
; NUMBER OF SEQ ID NOS: 4560
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2975
; LENGTH: 411
; TYPE: DNA
; ORGANISM: Homo sapiens

US-10-060-036-2975

Query Match 100.0%; Score 106; DB 15; Length 411;
Best Local Similarity 100.0%; Pred. No. 1.6e-23;
Matches 106; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GGCATTACATTTTAAAAAATTATGTGGAGTGGATAGAGAACTGCAGCTGTCAATAGCC 60
Db 233 GGCATTACATTTTAAAAAATTATGTGGAGTGGATAGAGAACTGCAGCTGTCAATAGCC 292
QY 61 TAGGGCTGAATTTTGTTCAGATAAAATAAAATCAATTCATCCCTT 106
Db 293 TAGGGCTGAATTTTGTTCAGATAAAATAAAATCAATTCATCCCTT 338

RESULT 4

US-10-066-543-2792
; Sequence 2792, Application US/10066543
; Publication No. US20030087818A1
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yugu
; APPLICANT: Pyle, Ruth A.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Indirias, Carol Yoseph
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather
; APPLICANT: Carter, Darrick
; APPLICANT: Fanger, Gary R.
; APPLICANT: Smith, Carole L.
; APPLICANT: Durham, Margarita
; APPLICANT: Stolk, John A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.563
; CURRENT APPLICATION NUMBER: US/10/066,543
; CURRENT FILING DATE: 2002-01-31
; NUMBER OF SEQ ID NOS: 3417
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2792
; LENGTH: 481
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-066-543-2792

Query Match 100.0%; Score 106; DB 15; Length 481;
Best Local Similarity 100.0%; Pred. No. 1.7e-23;
Matches 106; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGCATTACATTTTAAAAAATTATGTGGAGTGGATAGAGAACTGCAGCTGTCAATAGCC 60
Db 304 GGCATTACATTTTAAAAAATTATGTGGAGTGGATAGAGAACTGCAGCTGTCAATAGCC 363

QY 61 TAGGGCTGAATTTTGTTCAGATAAAATAAAATCAATTCATCCCTT 106
Db 364 TAGGGCTGAATTTTGTTCAGATAAAATAAAATCAATTCATCCCTT 409

RESULT 5

US-10-060-036-2601
; Sequence 2601, Application US/10060036
; Publication No. US20030073144A1
; GENERAL INFORMATION:
; APPLICANT: Benson, Darin R.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Persing, David H.
; APPLICANT: Hepler, William T.
; APPLICANT: Jiang, Yugu
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.566
; CURRENT APPLICATION NUMBER: US/10/060,036
; CURRENT FILING DATE: 2002-01-30


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; NUMBER OF SEQ ID NOS: 4560
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2601
; LENGTH: 482
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-060-036-2601

Query Match      100.0%; Score 106; DB 15; Length 482;
Best Local Similarity 100.0%; Pred. No. 1.7e-23;
Matches 106; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGCATTACATTTTAAATAATTATGTGGAAGTGGATAGGAGAACTGCAGCTGTCAATAGCC 60
DB 304 GGCATTACATTTTAAATAATTATGTGGAAGTGGATAGGAGAACTGCAGCTGTCAATAGCC 363

QY 61 TAGGGCTGAATTTTGTGCAGATAAATAAATAATCAATCATCCTT 106
DB 364 TAGGGCTGAATTTTGTGCAGATAAATAAATAATCAATCATCCTT 409

RESULT 6
US-10-066-543-181/c
; Sequence 181, Application US/10066543
; Publication No. US20030087818A1
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Pyle, Ruth A.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Indrias, Carol Yoseph
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather
; APPLICANT: Carter, Darrick
; APPLICANT: Fanger, Gary R.
; APPLICANT: Smith, Carole L.
; APPLICANT: Durham, Margarita
; APPLICANT: Stolk, John A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.563
; CURRENT APPLICATION NUMBER: US/10/066,543
; CURRENT FILING DATE: 2002-01-31
; NUMBER OF SEQ ID NOS: 3417
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 181
; LENGTH: 482
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-066-543-181

Query Match      100.0%; Score 106; DB 15; Length 482;
Best Local Similarity 100.0%; Pred. No. 1.7e-23;
Matches 106; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGCATTACATTTTAAATAATTATGTGGAAGTGGATAGGAGAACTGCAGCTGTCAATAGCC 60
DB 179 GGCATTACATTTTAAATAATTATGTGGAAGTGGATAGGAGAACTGCAGCTGTCAATAGCC 120

QY 61 TAGGGCTGAATTTTGTGCAGATAAATAAATAATCAATCATCCTT 106
DB 119 TAGGGCTGAATTTTGTGCAGATAAATAAATAATCAATCATCCTT 74

RESULT 7
US-10-066-543-1737
; Sequence 1737, Application US/10066543
; Publication No. US20030087818A1
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Pyle, Ruth A.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Indrias, Carol Yoseph
; APPLICANT: Lodes, Michael J.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.563
; CURRENT APPLICATION NUMBER: US/10/066,543
; CURRENT FILING DATE: 2002-01-31
; NUMBER OF SEQ ID NOS: 3417
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 181
; LENGTH: 482
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-066-543-181

Query Match      100.0%; Score 106; DB 15; Length 482;
Best Local Similarity 100.0%; Pred. No. 1.7e-23;
Matches 106; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGCATTACATTTTAAATAATTATGTGGAAGTGGATAGGAGAACTGCAGCTGTCAATAGCC 60
DB 179 GGCATTACATTTTAAATAATTATGTGGAAGTGGATAGGAGAACTGCAGCTGTCAATAGCC 120

QY 61 TAGGGCTGAATTTTGTGCAGATAAATAAATAATCAATCATCCTT 106
DB 119 TAGGGCTGAATTTTGTGCAGATAAATAAATAATCAATCATCCTT 74

RESULT 8
US-10-066-543-1898
; Sequence 1898, Application US/10066543
; Publication No. US20030087818A1
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Pyle, Ruth A.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Indrias, Carol Yoseph
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather
; APPLICANT: Carter, Darrick
; APPLICANT: Fanger, Gary R.
; APPLICANT: Smith, Carole L.
; APPLICANT: Durham, Margarita
; APPLICANT: Stolk, John A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.563
; CURRENT APPLICATION NUMBER: US/10/066,543
; CURRENT FILING DATE: 2002-01-31
; NUMBER OF SEQ ID NOS: 3417
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1898
; LENGTH: 482
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-066-543-1898

Query Match      100.0%; Score 106; DB 15; Length 482;
Best Local Similarity 100.0%; Pred. No. 1.7e-23;
Matches 106; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGCATTACATTTTAAATAATTATGTGGAAGTGGATAGGAGAACTGCAGCTGTCAATAGCC 60
DB 304 GGCATTACATTTTAAATAATTATGTGGAAGTGGATAGGAGAACTGCAGCTGTCAATAGCC 363

QY 61 TAGGGCTGAATTTTGTGCAGATAAATAAATAATCAATCATCCTT 106
DB 364 TAGGGCTGAATTTTGTGCAGATAAATAAATAATCAATCATCCTT 409

; APPLICANT: Secrist, Heather
; APPLICANT: Carter, Darrick
; APPLICANT: Fanger, Gary R.
; APPLICANT: Smith, Carole L.
; APPLICANT: Durham, Margarita
; APPLICANT: Stolk, John A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.563
; CURRENT APPLICATION NUMBER: US/10/066,543
; CURRENT FILING DATE: 2002-01-31
; NUMBER OF SEQ ID NOS: 3417
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1737
; LENGTH: 482
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-066-543-1737

Query Match      100.0%; Score 106; DB 15; Length 482;
Best Local Similarity 100.0%; Pred. No. 1.7e-23;
Matches 106; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGCATTACATTTTAAATAATTATGTGGAAGTGGATAGGAGAACTGCAGCTGTCAATAGCC 60
DB 304 GGCATTACATTTTAAATAATTATGTGGAAGTGGATAGGAGAACTGCAGCTGTCAATAGCC 363

QY 61 TAGGGCTGAATTTTGTGCAGATAAATAAATAATCAATCATCCTT 106
DB 364 TAGGGCTGAATTTTGTGCAGATAAATAAATAATCAATCATCCTT 409
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RESULT 9
US-10-066-543-2241
; Sequence 2241, Application US/10066543
; Publication No. US20030087818A1
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Pyle, Ruth A.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Indrias, Carol Yoseph
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather
; APPLICANT: Carter, Darick
; APPLICANT: Fanger, Gary R.
; APPLICANT: Smith, Carole L.
; APPLICANT: Durham, Margarita
; APPLICANT: Stolk, John A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF COLON CANCER
; FILE REFERENCE: 210121.563
; CURRENT APPLICATION NUMBER: US/10/066,543
; CURRENT FILING DATE: 2002-01-31
; NUMBER OF SEQ ID NOS: 3417
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2241
; LENGTH: 482
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-066-543-2241

Query Match 100.0%; Score 106; DB 15; Length 482;
Best Local Similarity 100.0%; Pred. No. 1.7e-23;
Matches 106; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGCATTACATTTTAAAAAATTATGTGGAGTGGATAGGAGAACTGCAGCTGTCAATAGCC 60
DB 304 GGCATTACATTTTAAAAAATTATGTGGAGTGGATAGGAGAACTGCAGCTGTCAATAGCC 363

QY 61 TAGGGCTGAATTTTGTTCAGATAATAATAATAATCAATTCATCCCTT 106
DB 364 TAGGGCTGAATTTTGTTCAGATAATAATAATAATCAATTCATCCCTT 409

RESULT 10
US-10-066-543-2794
; Sequence 2794, Application US/10066543
; Publication No. US20030087818A1
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Pyle, Ruth A.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Indrias, Carol Yoseph
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather
; APPLICANT: Carter, Darick
; APPLICANT: Fanger, Gary R.
; APPLICANT: Smith, Carole L.
; APPLICANT: Durham, Margarita
; APPLICANT: Stolk, John A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF COLON CANCER
; FILE REFERENCE: 210121.563
; CURRENT APPLICATION NUMBER: US/10/066,543
; CURRENT FILING DATE: 2002-01-31
; NUMBER OF SEQ ID NOS: 3417
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2794
; LENGTH: 483
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-066-543-2794

Query Match 100.0%; Score 106; DB 15; Length 483;

Best Local Similarity 100.0%; Pred. No. 1.7e-23;
Matches 106; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGCATTACATTTTAAAAAATTATGTGGAGTGGATAGGAGAACTGCAGCTGTCAATAGCC 60
DB 304 GGCATTACATTTTAAAAAATTATGTGGAGTGGATAGGAGAACTGCAGCTGTCAATAGCC 363

QY 61 TAGGGCTGAATTTTGTTCAGATAATAATAATAATCAATTCATCCCTT 106
DB 364 TAGGGCTGAATTTTGTTCAGATAATAATAATAATCAATTCATCCCTT 409

RESULT 11
US-09-998-598-2534
; Sequence 2534, Application US/09998598
; Patent No. US20020150922A1
; GENERAL INFORMATION:
; APPLICANT: Stolk, John A.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Chenault, Ruth A.
; APPLICANT: Meagher, Madelein Joy
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF COLON CANCER
; FILE REFERENCE: 210121.561
; CURRENT APPLICATION NUMBER: US/09/998,598
; CURRENT FILING DATE: 2001-11-16
; NUMBER OF SEQ ID NOS: 2606
; SOFTWARE: Corixa Invention Disclosure Database
; SEQ ID NO 2534
; LENGTH: 524
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-998-598-2534

Query Match 100.0%; Score 106; DB 9; Length 524;
Best Local Similarity 100.0%; Pred. No. 1.7e-23;
Matches 106; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGCATTACATTTTAAAAAATTATGTGGAGTGGATAGGAGAACTGCAGCTGTCAATAGCC 60
DB 324 GGCATTACATTTTAAAAAATTATGTGGAGTGGATAGGAGAACTGCAGCTGTCAATAGCC 383

QY 61 TAGGGCTGAATTTTGTTCAGATAATAATAATAATCAATTCATCCCTT 106
DB 384 TAGGGCTGAATTTTGTTCAGATAATAATAATAATCAATTCATCCCTT 429

RESULT 12
US-10-305-720-850
; Sequence 850, Application US/10305720
; Publication No. US20040010136A1
; GENERAL INFORMATION:
; APPLICANT: Au-Young, Janice K.; Seilhamer, Jeffrey J.
; TITLE OF INVENTION: Composition for the Detection of Signaling Pathway Gene Expression
; FILE REFERENCE: PA-0002-1 CON
; CURRENT APPLICATION NUMBER: US/10/305,720
; CURRENT FILING DATE: 2002-11-26
; PRIOR APPLICATION NUMBER: 09/016,434
; PRIOR FILING DATE: 1998-01-30
; NUMBER OF SEQ ID NOS: 1490
; SOFTWARE: PERL Program
; SEQ ID NO 850
; LENGTH: 1512
; TYPE: DNA
; ORGANISM: Homo sapiens
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20040010136A1 608819
US-10-305-720-850

Query Match 100.0%; Score 106; DB 16; Length 1512;
Best Local Similarity 100.0%; Pred. No. 2.7e-23;
Matches 106; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Search completed: April 24, 2004, 06:38:15
Job time : 57.7269 secs

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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: April 24, 2004, 00:33:00 ; Search time 9.74354 Seconds
(without alignments)
6037.311 Million cell updates/sec

Title: US-09-049-696-17

Perfect score: 106

Sequence: 1 GGCATTCATTTTAAAAAT.....AAATAAATCATTCATCTT 106

Scoring table: IDENTITY NUC

Gapop 10_0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA.*

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- 2: /cgn2_6/ptodata/2/ina/5B-COMB.seq.*
- 3: /cgn2_6/ptodata/2/ina/6A-COMB.seq.*
- 4: /cgn2_6/ptodata/2/ina/6B-COMB.seq.*
- 5: /cgn2_6/ptodata/2/ina/PCTUS-COMB.seq.*
- 6: /cgn2_6/ptodata/2/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	106	100.0	1512	4	US-09-016-434-850
2	106	100.0	3007	4	US-09-193-562D-27
3	76.8	72.5	878	1	US-08-469-667-8
4	76.8	72.5	878	4	US-09-224-110-8
5	76.8	72.5	878	5	PCT-US95-07289-8
6	63	59.4	2745	4	US-09-623-624-5
7	47.4	44.7	2931	4	US-09-623-624-1
8	33.2	31.3	2520	2	US-08-454-557C-50
9	33.2	31.3	2520	2	US-08-340-426D-50
10	33.2	31.3	2520	2	US-08-450-673C-50
11	33.2	31.3	2520	5	PCT-US95-17111A-50
12	29.4	27.7	642	4	US-09-543-681A-631
13	29.2	27.5	1743	4	US-09-328-352-350
14	28.8	27.2	486	4	US-09-134-001C-1159
15	28.2	26.6	537	4	US-09-328-352-273
16	28	26.4	2293	3	US-09-125-287-5
17	28	26.4	6735	4	US-08-961-527-104
18	28	26.4	12839	3	US-09-125-287-1
19	27.4	25.8	1123	1	US-08-700-626-2
20	27.4	25.8	1887	3	US-09-201-641-5
21	27	25.5	13865	3	US-09-009-217-11
22	27	25.5	13865	3	US-09-009-656-11
23	26.6	25.1	2676	4	US-08-976-259-12
24	26.4	24.9	1664976	4	US-08-916-421B-1
25	26.2	24.7	161652	4	US-09-497-858A-40
26	26	24.5	19250	4	US-08-961-527-35
27	25.8	24.3	58407	4	US-08-916-421B-2

28	25.8	24.3	1664976	4	US-08-916-421B-1	Sequence 1, Appli
29	25.6	24.2	1524	4	US-09-540-236-1471	Sequence 1471, Ap
30	25.6	24.2	1529	3	US-09-189-760-5	Sequence 5, Appli
31	25.6	24.2	1529	3	US-09-188-811-5	Sequence 5, Appli
32	25.6	24.2	1529	3	US-09-514-422-5	Sequence 5, Appli
33	25.6	24.2	2196	4	US-09-134-000C-950	Sequence 950, App
34	25.6	24.2	2327	4	US-09-149-476-107	Sequence 107, App
35	25.6	24.2	2404	1	US-08-311-023-3	Sequence 2, Appli
36	25.6	24.2	7860	4	US-09-526-193A-2	Sequence 21, Appli
37	25.6	24.2	20284	4	US-09-526-193A-21	Sequence 2, Appli
38	25.4	24.0	5632	3	US-09-560-594-3	Sequence 3, Appli
39	25.4	24.0	202001	4	US-09-734-674-3	Sequence 1, Appli
40	25.4	24.0	1830121	4	US-09-557-884-1	Sequence 1, Appli
41	25.4	24.0	1830121	4	US-09-643-990A-1	Sequence 812, App
42	25.2	23.8	662	3	US-08-998-416-812	Sequence 324, App
43	25.2	23.8	746	4	US-09-328-475C-324	Sequence 2280, Ap
44	25.2	23.8	1590	4	US-09-328-352-2280	Sequence 2957, Ap
45	25.2	23.8	2196	4	US-09-543-681A-2957	

ALIGNMENTS

RESULT 1
US-09-016-434-850
; Sequence 850, Application US/09016434
; Patent No. 6500938
; GENERAL INFORMATION:
; APPLICANT: Janice Au-Young
; APPLICANT: Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING
; TITLE OF INVENTION: PATHWAY GENE EXPRESSION
; NUMBER OF SEQUENCES: 1490
; CORRESPONDENCE ADDRESS:
; ADDRESS: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/016,434
; FILING DATE: HEREWITH
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Zeller, Karen J.
; REGISTRATION NUMBER: 37,071
; REFERENCE/DOCKET NUMBER: PA-0002 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 850:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1512 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: COLN00101
; CLONE: 608819
US-09-016-434-850

Query Match 100.0%; Score 106; DB 4; Length 1512;
Best Local Similarity 100.0%; Pred. No. 1.2e-26;

Matches 106; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGCATTTCACATTTTAAATAATATGGAAGTGGATAGGAGAACTGCAGCTGTCAATAGCC 60
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Db 1407 GGCATTTCACATTTTAAATAATATGGAAGTGGATAGGAGAACTGCAGCTGTCAATAGCC 1466
|||||

QY 61 TAGGGCTGAATTTTGTGCAGATAAATAAATAATCAATTCATCCTT 106
|||||
Db 1467 TAGGGCTGAATTTTGTGCAGATAAATAAATAATCAATTCATCCTT 1512
|||||

RESULT 2

US-09-193-562D-27
; Sequence 27, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; CURRENT FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 27
; LENGTH: 3007
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-193-562D-27

Query Match 100.0%; Score 106; DB 4; Length 3007;
Best Local Similarity 100.0%; Pred. No. 1.5e-26;
Matches 106; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGCATTTCACATTTTAAATAATATGGAAGTGGATAGGAGAACTGCAGCTGTCAATAGCC 60
Db 2729 GGCATTTCACATTTTAAATAATATGGAAGTGGATAGGAGAACTGCAGCTGTCAATAGCC 2788
|||||

QY 61 TAGGGCTGAATTTTGTGCAGATAAATAAATAATCAATTCATCCTT 106
|||||
Db 2789 TAGGGCTGAATTTTGTGCAGATAAATAAATAATCAATTCATCCTT 2834
|||||

RESULT 3

US-08-469-667-8
; Sequence 8, Application US/08469667
; Patent No. 5733748
; GENERAL INFORMATION:
; APPLICANT: Yu, Guo-Liang
; APPLICANT: Rosen, Craig
; TITLE OF INVENTION: Colon Specific Genes and Proteins
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Carella, Byrne, Bain, Gilfillan, Cecchi,
; ADDRESSEE: Stewart & Olstein
; STREET: 6 Becker Farm Road
; CITY: Roseland
; STATE: NJ
; COUNTRY: USA
; ZIP: 07068-1739
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/469,667
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Ferraro, Gregory D.
; REGISTRATION NUMBER: 36,134

; REFERENCE/DOCKET NUMBER: 325800-435
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-994-1700
; TELEFAX: 201-994-1744
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 878 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 2..685
US-08-469-667-8

Query Match 72.5%; Score 76.8; DB 1; Length 878;
Best Local Similarity 91.0%; Pred. No. 7.9e-17;
Matches 81; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 1 GGCATTTCACATTTTAAATAATATGGAAGTGGATAGGAGAACTGCAGCTGTCAATAGCC 60
Db 717 GGCATTTCACATTTTAAATAATATGGAAGTGGATAGGAGAACTGCAGCTGTCAATAGCC 776
|||||

QY 61 TAGGGCTGAATTTTGTGCAGATAAATAA 89
|||||
Db 777 TAGGGCTGAATTTTGTGCAGATAAATAA 805
|||||

RESULT 4

US-09-224-110-8
; Sequence 8, Application US/09224110
; Patent No. 6337195
; GENERAL INFORMATION:
; APPLICANT: Yu, Guo-Liang
; APPLICANT: Rosen, Craig
; TITLE OF INVENTION: Colon Specific Genes and Proteins
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Carella, Byrne, Bain, Gilfillan, Cecchi,
; ADDRESSEE: Stewart & Olstein
; STREET: 6 Becker Farm Road
; CITY: Roseland
; STATE: NJ
; COUNTRY: USA
; ZIP: 07068-1739
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/224,110
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/469,667
; FILING DATE: 06-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Ferraro, Gregory D.
; REGISTRATION NUMBER: 36,134
; REFERENCE/DOCKET NUMBER: 325800-435
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-994-1700
; TELEFAX: 201-994-1744
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 878 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:

NAME/KEY: CDS
LOCATION: 2..685
US-09-224-110-8

Query Match 72.5%; Score 76.8; DB 4; Length 878;
Best Local Similarity 91.0%; Pred. No. 7.9e-17;
Matches 81; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 1 GCATTTCACATTTTAAAAATTATGTGGAAGTGGATAGGAGAACTGCAGCTGTCAATAGCC 60
|||||
DB 717 GCATTTCACATTTTAAAAATTATGTGGAAGTGGTGGAGAGAACTGCAGTTGTCAATAGNC 776
|||||

QY 61 TAGGGCTGAATTTTGTTCAGATAATAA 89
|||||
DB 777 TAGGGGTGAATTTTGTGCGGTGAATAA 805
|||||

RESULT 5
PCT-US95-07289-8
Sequence 8, Application PC/TUS9507289
GENERAL INFORMATION:
APPLICANT: Yu, Guo-Liang
APPLICANT: Rosen, Craig
TITLE OF INVENTION: Colon Specific Genes and Proteins
NUMBER OF SEQUENCES: 24
CORRESPONDENCE ADDRESS:
ADDRESSER: Carella, Byrne, Bain, Gilfillan, Cecchi,
ADDRESSER: Stewart & Olstein
STREET: 6 Becker Farm Road
CITY: Roseland
STATE: NJ
COUNTRY: USA
ZIP: 07068-1739
COMPUTER READABLE FORM:
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/07289
FILING DATE: 06-JUN-1995
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Ferraro, Gregory D.
REGISTRATION NUMBER: 36,134
REFERENCE/DOCKET NUMBER: 325800-265
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-994-1700
TELEFAX: 201-994-1744
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 878 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 2..685
PCT-US95-07289-8

Query Match 72.5%; Score 76.8; DB 5; Length 878;
Best Local Similarity 91.0%; Pred. No. 7.9e-17;
Matches 81; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 1 GCATTTCACATTTTAAAAATTATGTGGAAGTGGATAGGAGAACTGCAGCTGTCAATAGCC 60
|||||
DB 717 GCATTTCACATTTTAAAAATTATGTGGAAGTGGTGGAGAGAACTGCAGTTGTCAATAGNC 776
|||||

QY 61 TAGGGCTGAATTTTGTTCAGATAATAA 89
|||||
DB 777 TAGGGGTGAATTTTGTGCGGTGAATAA 805
|||||

RESULT 6
US-09-623-624-5
Sequence 5, Application US/09623624
Patent No. 6576434
GENERAL INFORMATION:
APPLICANT: Magainin Pharmaceuticals, Inc.
TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
TITLE OF INVENTION: Disorders
FILE REFERENCE: 36870-5073-WO
CURRENT APPLICATION NUMBER: US/09/623,624
CURRENT FILING DATE: 2000-09-06
PRIOR APPLICATION NUMBER: PCT/US99/04703
PRIOR FILING DATE: 1999-03-03
PRIOR APPLICATION NUMBER: US 08/697,360
PRIOR FILING DATE: 1996-08-23
PRIOR APPLICATION NUMBER: US 08/697,419
PRIOR FILING DATE: 1996-08-23
PRIOR APPLICATION NUMBER: US 08/697,440
PRIOR FILING DATE: 1996-08-23
PRIOR APPLICATION NUMBER: US 08/697,471
PRIOR FILING DATE: 1996-08-23
PRIOR APPLICATION NUMBER: US 08/697,471
PRIOR FILING DATE: 1996-08-23
PRIOR APPLICATION NUMBER: US 08/697,472
PRIOR FILING DATE: 1996-08-23
PRIOR APPLICATION NUMBER: US 08/697,473
PRIOR FILING DATE: 1996-08-23
PRIOR APPLICATION NUMBER: US 08/702,105
PRIOR FILING DATE: 1996-08-23
PRIOR APPLICATION NUMBER: US 08/702,110
PRIOR FILING DATE: 1996-08-23
PRIOR APPLICATION NUMBER: US 08/702,168
PRIOR FILING DATE: 1996-08-23
PRIOR APPLICATION NUMBER: US 08/980,872
PRIOR FILING DATE: 1997-12-01
NUMBER OF SEQ ID NOS: 18
SOFTWARE: Patent In Ver. 2.0
SEQ ID NO 5
LENGTH: 2745
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (1)..(2742)
US-09-623-624-5

Query Match 59.4%; Score 63; DB 4; Length 2745;
Best Local Similarity 100.0%; Pred. No. 5.5e-12;
Matches 63; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GCATTTCACATTTTAAAAATTATGTGGAAGTGGATAGGAGAACTGCAGCTGTCAATAGCC 60
|||||
DB 2683 GCATTTCACATTTTAAAAATTATGTGGAAGTGGATAGGAGAACTGCAGCTGTCAATAGCC 2742
|||||

QY 61 TAG 63
|||||
DB 2743 TAG 2745
|||||

RESULT 7
US-09-623-624-1
Sequence 1, Application US/09623624
Patent No. 6576434
GENERAL INFORMATION:
APPLICANT: Magainin Pharmaceuticals, Inc.
TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
TITLE OF INVENTION: Disorders
FILE REFERENCE: 36870-5073-WO
CURRENT APPLICATION NUMBER: US/09/623,624
CURRENT FILING DATE: 2000-09-06

PRIOR APPLICATION NUMBER: PCT/US99/04703
PRIOR FILING DATE: 1999-03-03
PRIOR APPLICATION NUMBER: US 08/697,360
PRIOR FILING DATE: 1996-08-23
PRIOR APPLICATION NUMBER: US 08/697,419
PRIOR FILING DATE: 1996-08-23
PRIOR APPLICATION NUMBER: US 08/697,440
PRIOR FILING DATE: 1996-08-23
PRIOR APPLICATION NUMBER: US 08/697,471
PRIOR FILING DATE: 1996-08-23
PRIOR APPLICATION NUMBER: US 08/697,471
PRIOR FILING DATE: 1996-08-23
PRIOR APPLICATION NUMBER: US 08/697,472
PRIOR FILING DATE: 1996-08-23
PRIOR APPLICATION NUMBER: US 08/697,473
PRIOR FILING DATE: 1996-08-23
PRIOR APPLICATION NUMBER: US 08/702,105
PRIOR FILING DATE: 1996-08-23
PRIOR APPLICATION NUMBER: US 08/702,110
PRIOR FILING DATE: 1996-08-23
PRIOR APPLICATION NUMBER: US 08/702,168
PRIOR FILING DATE: 1996-08-23
PRIOR APPLICATION NUMBER: US 08/980,872
PRIOR FILING DATE: 1997-12-01
NUMBER OF SEQ ID NOS: 18
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 1
LENGTH: 2931
TYPE: DNA
ORGANISM: Mus musculus
FEATURE:
NAME/KEY: CDS
LOCATION: (8)...(2746)
US-09-623-624-1

Query Match 44.7%; Score 47.4; DB 4; Length 2931;
Best Local Similarity 70.8%; Pred. No. 1.1e-06;
Matches 63; Conservative 0; Mismatches 26; Indels 0; Gaps 0;

QY 1 GGCATTACATTTTAAATATGTGGAGTGGATAGGAGAACTGCAGCTGTCATAGCC 60
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DB 2681 GGCATCCACGTCCTGAAGATAATGTGGAGTGGCTAGGGGAATGCGGTGACACTAGGT 2740
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QY 61 TAGGGCTGAATTTTGTGCAGATAATAAA 89
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DB 2741 TTGCATGAATTTTCAGGCACAGAAATCAA 2769
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RESULT 8
US-08-454-557C-50/c
Sequence 50, Application US/08454557C
Patent No. 5830670
GENERAL INFORMATION:
APPLICANT: de la Monte, Suzanne
TITLE OF INVENTION: Neural Thread Protein Gene Expression and Detection
TITLE OF INVENTION: of Alzheimer's Disease
NUMBER OF SEQUENCES: 121
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
STREET: 1100 New York Avenue, Suite 600
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005-3934
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/454,557C
FILING DATE: 30-MAY-1995

CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Ludwig, Steven R.
REGISTRATION NUMBER: 36,203
REFERENCE/DOCKET NUMBER: 0609.3840003
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 371-2600
TELEFAX: (202) 371-2540
INFORMATION FOR SEQ ID NO: 50:
SEQUENCE CHARACTERISTICS:
LENGTH: 2520 base pairs
TYPE: nucleic acid
STRANDEDNESS: both
TOPOLOGY: both
US-08-454-557C-50

Query Match 31.3%; Score 33.2; DB 2; Length 2520;
Best Local Similarity 57.8%; Pred. No. 0.066;
Matches 59; Conservative 0; Mismatches 43; Indels 0; Gaps 0;

QY 2 GCATTACATTTTAAATATGTGGAGTGGATAGGAGAACTGCAGCTGTCATAGCCT 61
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DB 2412 GAACACATGCTTTAAATATGCATGGAGGAGGGGTGAATTACCGTCAACAAGCTA 2353
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QY 62 AGGGCTGAATTTTGTGCAGATAATAATAAATCAATCATC 103
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DB 2352 AAAAAAGATCCTTGATTGATTAAATTACACAAAGCATGAATC 2311
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RESULT 9
US-08-340-426D-50/c
Sequence 50, Application US/08340426D
Patent No. 5948634
GENERAL INFORMATION:
APPLICANT: de la Monte, Suzanne
APPLICANT: Wands, Jack R.
TITLE OF INVENTION: Neural Thread Protein Gene Expression and Detection
TITLE OF INVENTION: of Alzheimer's Disease
NUMBER OF SEQUENCES: 121
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
STREET: 1100 New York Avenue, Suite 600
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005-3934
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/340,426D
FILING DATE: 14-NOV-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Ludwig, Steven R.
REGISTRATION NUMBER: 36,203
REFERENCE/DOCKET NUMBER: 0609.3840002
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 371-2600
TELEFAX: (202) 371-2540
INFORMATION FOR SEQ ID NO: 50:
SEQUENCE CHARACTERISTICS:
LENGTH: 2520 base pairs
TYPE: nucleic acid
STRANDEDNESS: both
TOPOLOGY: both
US-08-340-426D-50

Query Match 31.3%; Score 33.2; DB 2; Length 2520;
Best Local Similarity 57.8%; Pred. No. 0.066;
Matches 59; Conservative 0; Mismatches 43; Indels 0; Gaps 0;

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Qy 64 GGCTGAATTTTGTGCAGATAATAATAATAATCAT 98
Db 182 CATGTTGAATACTGTTCCCACTAAATTAATAT 148

RESULT 13
US-09-328-352-3530/c
; Sequence 3530, Application US/09328352
; Patent No. 6562958
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
; FILE REFERENCE: GTC99-03PA
; CURRENT APPLICATION NUMBER: US/09/328,352
; CURRENT FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 8252
; SEQ ID NO 3530
; LENGTH: 1743
; TYPE: DNA
; ORGANISM: Acinetobacter baumannii
US-09-328-352-3530

Query Match 27.5%; Score 29.2; DB 4; Length 1743;
Best Local Similarity 57.8%; Pred. No. 1.3;
Matches 52; Conservative 0; Mismatches 38; Indels 0; Gaps 0;
Qy 10 ATTTTAAAAATTTATGTGGAAGTGGATAGGAGAACTGCAGCTGTCAATAGCCTAGGGCTGA 69
Db 1257 ATTTAGTCAAGCATATGCAATTTTGAAGATGATTGGATCTTCCTTTGATATTTGGCAAA 1198
Qy 70 ATTTTGTGCAGATAATAATAAATCAATCATT 99
Db 1197 CTCCTTTTCAGTTAAAGAAAGAAATATCTTT 1168

RESULT 14
US-09-134-001C-1159
; Sequence 1159, Application US/09134001C
; Patent No. 6380370
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
; FILE REFERENCE: GTC-007
; CURRENT APPLICATION NUMBER: US/09/134,001C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/064,964
; PRIOR FILING DATE: 1997-11-08
; PRIOR APPLICATION NUMBER: US 60/055,779
; PRIOR FILING DATE: 1997-08-14
; NUMBER OF SEQ ID NOS: 5674
; SEQ ID NO 1159
; LENGTH: 486
; TYPE: DNA
; ORGANISM: Staphylococcus epidermidis
US-09-134-001C-1159

Query Match 27.2%; Score 28.8; DB 4; Length 486;
Best Local Similarity 58.0%; Pred. No. 1.2;
Matches 51; Conservative 0; Mismatches 37; Indels 0; Gaps 0;
Qy 12 TTTAAAAATTTATGTGGAAGTGGATAGGAGAACTGCAGCTGTCAATAGCCTAGGGCTGAAT 71
Db 361 TTTAATAGAAATGTTCAAGTGAAGTGAAGCAAGCGCCAGTGATTATTCATATGATGCAAAA 420
Qy 72 TTTTGTGCAGATAATAATAAATCAATCATT 99
Db 421 CTTTATGACATGATTAAATAAAGTCTT 448

RESULT 15
US-09-328-352-273
; Sequence 273, Application US/09328352
; Patent No. 6562958
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
; FILE REFERENCE: GTC99-03PA
; CURRENT APPLICATION NUMBER: US/09/328,352
; CURRENT FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 8252
; SEQ ID NO 273
; LENGTH: 537
; TYPE: DNA
; ORGANISM: Acinetobacter baumannii
US-09-328-352-273

Query Match 26.6%; Score 28.2; DB 4; Length 537;
Best Local Similarity 59.3%; Pred. No. 2;
Matches 48; Conservative 0; Mismatches 33; Indels 0; Gaps 0;
Qy 14 TAAAAATTTATGTGGAAGTGGATAGGAGAACTGCAGCTGTCAATAGCCTAGGGCTGAATTT 73
Db 453 TATTGATAATGTGTTAGCTGATCTAAACACAGGCATGTGAATTAGGCGTAGAAAAAGATTTT 512
Qy 74 TTGTCAAGATAATAATAATAAA 94
Db 513 TTGCAGATCAATAAAACTAA 533

Search completed: April 24, 2004, 05:01:15
Job time : 12.7435 secs

GenCore version 5.1.6
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OM nucleic - protein search, using frame_plus_n2p model

Run on: April 21, 2004, 16:13:49 ; Search time 15.2609 Seconds

(without alignments)
3840.718 Million cell updates/sec

Title: US-09-049-696-17

Perfect score: 181

Sequence: 1 GGCATTACATTTAAAAAT.....AAATAAATCATTCATCCTT 106

Scoring table: BLOSUM62

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 Ygapop 10.0 , Ygapext 0.5
 Fgapop 6.0 , Fgapext 7.0
 Delop 6.0 , Delext 7.0

Searched: 1133595 seqs, 276475211 residues

Total number of hits satisfying chosen parameters: 2267190

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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-LOOPCL=0 -LOOPEXT=0 -UNITS=bits -START=1 -END=-1 -MATRIX=blosum62
-TRANS=human40.cdi -LIST=45 -DOCLALIGN=200 -THR SCORE=pct -THR MAX=100
-THR MIN=0 -ALIGN=15 -MODE=LOCAL -OUTFMT=ptc -NORM=ext -HEAPSIZE=500 -MINLEN=0
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Database : Published Applications AA:

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18: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pcp.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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ALIGNMENTS

RESULT 1

US-10-106-698-4628
; Sequence 4628, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:

; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptides
; FILE REFERENCE: PA005P1
; CURRENT APPLICATION NUMBER: US/10106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 4628
; LENGTH: 552
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-106-698-4628

1	107	59.1	552	14	US-10-106-698-4628	Sequence 4628, Ap
2	107	59.1	869	14	US-10-106-698-4628	Sequence 6388, Ap
3	107	59.1	914	9	US-09-823-356-8	Sequence 8, Appli
4	107	59.1	914	9	US-09-922-217-1066	Sequence 1066, Ap
5	107	59.1	914	9	US-09-833-263-1066	Sequence 1066, Ap
6	107	59.1	914	9	US-09-981-353-192	Sequence 192, App
7	107	59.1	914	11	US-09-833-245-2054	Sequence 2054, Ap
8	107	59.1	914	13	US-10-023-380-1066	Sequence 1066, Ap
9	107	59.1	914	14	US-10-055-412B-28	Sequence 28, Appl
10	107	59.1	914	14	US-10-270-595-6	Sequence 6, Appli
11	107	59.1	914	14	US-10-235-994-26	Sequence 26, Appl
12	107	59.1	914	14	US-10-060-255-42	Sequence 42, Appl
13	107	59.1	914	15	US-10-389-214-133	Sequence 133, App
14	107	59.1	925	9	US-09-764-868-635	Sequence 635, App
15	107	59.1	925	14	US-10-106-698-6248	Sequence 6248, Ap
16	90	49.7	913	14	US-10-270-595-2	Sequence 2, Appli
17	90	49.7	913	15	US-10-369-214-132	Sequence 132, App
18	57	31.5	310	14	US-10-023-597-84	Sequence 84, Appl
19	56	30.9	587	15	US-10-108-260A-3807	Sequence 3807, Ap
20	53	29.3	419	12	US-10-282-122A-56317	Sequence 56317, A
21	52	28.7	301	14	US-10-001-469-2881	Sequence 2881, Ap
22	52	28.7	419	12	US-10-282-122A-43266	Sequence 43266, A
23	52	28.7	508	15	US-10-369-493-3140	Sequence 3140, Ap
24	52	28.7	802	12	US-10-282-122A-60756	Sequence 60756, A
25	51	28.2	419	12	US-10-282-122A-76039	Sequence 76039, A
26	51	28.2	1924	9	US-09-866-557A-2	Sequence 2, Appli
27	51	28.2	1924	11	US-09-858-862-2	Sequence 2, Appli
28	51	28.2	1924	14	US-10-055-797-2	Sequence 2, Appli
29	50.5	27.9	339	12	US-10-424-599-199396	Sequence 199396,
30	50.5	27.9	792	13	US-10-055-364-42	Sequence 42, Appl
31	49	27.1	170	12	US-10-424-599-182434	Sequence 182434,
32	49	27.1	237	9	US-09-828-644-109	Sequence 109, App
33	49	27.1	298	14	US-10-023-597-30	Sequence 30, Appl
34	49	27.1	298	14	US-10-023-597-32	Sequence 32, Appl
35	49	27.1	298	15	US-10-292-798-168	Sequence 168, App
36	49	27.1	311	10	US-09-779-679-60	Sequence 60, Appl
37	49	27.1	338	9	US-09-886-055-467	Sequence 467, App
38	49	27.1	338	10	US-09-804-291-467	Sequence 467, App
39	49	27.1	338	14	US-10-017-161-192	Sequence 192, App
40	49	27.1	569	15	US-10-369-493-4196	Sequence 4196, Ap
41	49	27.1	1235	12	US-10-282-122A-60959	Sequence 60959, A
42	49	27.1	1579	9	US-09-801-368-368	Sequence 368, App
43	49	27.1	1579	15	US-10-369-493-2000	Sequence 2000, Ap
44	48	26.5	261	13	US-10-047-260-6	Sequence 6, Appli
45	47.5	26.4	170	12	US-10-424-599-147527	Sequence 147527,

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Alignment Scores:
Pred. No.: 2,1e-07 Length: 552
Score: 107.00 Matches: 20
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 59.12% Indels: 0
DB: 14 Gaps: 0

US-09-049-696-17 (1-106) x US-10-106-698-4628 (1-552)

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RESULT 2
US-10-106-698-6388
; Sequence 6388, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide
; FILE REFERENCE: PA005PI
; CURRENT APPLICATION NUMBER: US/10106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 6388
; LENGTH: 869
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (14)-
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-10-106-698-6388

Alignment Scores:
Pred. No.: 2,16e-07 Length: 869
Score: 107.00 Matches: 20
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 59.12% Indels: 0
DB: 14 Gaps: 0

US-09-049-696-17 (1-106) x US-10-106-698-6388 (1-869)

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RESULT 3
US-09-823-356-8
; Sequence 8, Application US/09823356
; Patent No. US20010025098A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Bandman, Olga
; APPLICANT: Lal, Preeti
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Yue, Henry
; APPLICANT: Corley, Neil C.
; APPLICANT: Guebler, Karl J.
; APPLICANT: Kaser, Matthew R.
; APPLICANT: Baughn, Mariah R.
; APPLICANT: Sha, Purvi
; TITLE OF INVENTION: HUMAN MEMBRANE SPANNING PROTEINS
; FILE REFERENCE: PF-0489-1 CON
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; CURRENT APPLICATION NUMBER: US/09/823,356
; CURRENT FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/039,307
; PRIOR FILING DATE: 1998 March 13
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PERL Program
; SEQ ID NO 8
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20010025098A1 1737775
US-09-823-356-8

Alignment Scores:
Pred. No.: 2,17e-07 Length: 914
Score: 107.00 Matches: 20
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 59.12% Indels: 0
DB: 9 Gaps: 0

US-09-049-696-17 (1-106) x US-09-823-356-8 (1-914)

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Db 895 GlyIleHisIleLeuLysIleMetTrpLysTrpIleGlyGluLeuGlnLeuSerIleAla 914

RESULT 4
US-09-922-217-1066
; Sequence 1066, Application US/09922217
; Patent No. US20020076414A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather
; APPLICANT: Benson, Darin R.
; APPLICANT: Meagher, Madeleine Joy
; APPLICANT: Stolk, John A.
; APPLICANT: Wang, Tongtong
; APPLICANT: Jiang, Yudi
; APPLICANT: Smith, Carole Lynn
; APPLICANT: King, Gordon E.
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; FILE REFERENCE: 210121.471C13
; CURRENT APPLICATION NUMBER: US/09/922,217
; CURRENT FILING DATE: 2001-08-03
; NUMBER OF SEQ ID NOS: 1124
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1066
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-922-217-1066

Alignment Scores:
Pred. No.: 2,17e-07 Length: 914
Score: 107.00 Matches: 20
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 59.12% Indels: 0
DB: 9 Gaps: 0

US-09-049-696-17 (1-106) x US-09-922-217-1066 (1-914)

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RESULT 5
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; Sequence 1066, Application US/09833263
; Patent No. US20020110547A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; APPLICANT: Stolk, John A.
; APPLICANT: Meagher, Madeleine J.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF COLON CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.471C12
; CURRENT APPLICATION NUMBER: US/09/833,263
; CURRENT FILING DATE: 2001-04-10
; NUMBER OF SEQ ID NOS: 1093
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1066
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-833-263-1066
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Pred. No.: 2.17e-07 Length: 914
Score: 107.00 Matches: 20
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 59.12% Indels: 0
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DB 895 GlylleHsileuLyslleMettrpysTrpIleGlyGluleuGlnleuSerilleala 914
RESULT 6
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; Sequence 192, Application US/09981353
; Patent No. US20020160382A1
; GENERAL INFORMATION:
; APPLICANT: Lasek, Amy W.
; APPLICANT: Jones, David A.
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0038 US
; CURRENT APPLICATION NUMBER: US/09/981,353
; CURRENT FILING DATE: 2001-10-11
; NUMBER OF SEQ ID NOS: 194
; SOFTWARE: PERL Program
; SEQ ID NO 192
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc.feature
; OTHER INFORMATION: Incyte ID No. US20020160382A1 1737775CD1
US-09-981-353-192
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Query Match: 59.12% Indels: 0
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RESULT 7
US-09-833-263-1066
; Sequence 1066, Application US/09833263
; Patent No. US20020110547A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; APPLICANT: Stolk, John A.
; APPLICANT: Meagher, Madeleine J.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF COLON CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.471C12
; CURRENT APPLICATION NUMBER: US/09/833,263
; CURRENT FILING DATE: 2001-04-10
; NUMBER OF SEQ ID NOS: 1093
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1066
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-833-263-1066
Alignment Scores:
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Score: 107.00 Matches: 20
Percent Similarity: 100.00% Conservative: 0
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Query Match: 59.12% Indels: 0
DB: 9 Gaps: 0
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RESULT 8
US-10-025-380-1066
; Sequence 1066, Application US/10025380
; Publication No. US20020182191A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather
; APPLICANT: Benson, Darin R.
; APPLICANT: Meagher, Madeleine Joy
; APPLICANT: Stolk, John A.
; APPLICANT: Wang, Tongtong
; APPLICANT: Jiang, Yugu
; APPLICANT: Smith, Carole L.
; APPLICANT: King, Gordon E.
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; APPLICANT: Skeiky, Yasir A. W.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Vedvick Thomas S.
; APPLICANT: Carter, Darrick
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; TITLE OF INVENTION: OF COLON CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.471C14
; CURRENT APPLICATION NUMBER: US/10/025,380
; CURRENT FILING DATE: 2001-12-19
; NUMBER OF SEQ ID NOS: 1129
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1066
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-025-380-1066
Alignment Scores:
Pred. No.: 2.17e-07 Length: 914

US-09-833-245-2054
; Sequence 2054, Application US/09833245
; Publication No. US20040010134A1
; GENERAL INFORMATION:
; APPLICANT: Human Genome Sciences, Inc.
; TITLE OF INVENTION: Albumin Fusion Proteins
; FILE REFERENCE: PFS46PCT
; CURRENT APPLICATION NUMBER: US/09/833,245
; CURRENT FILING DATE: 2001-04-12
; PRIOR APPLICATION NUMBER: 60/229,358
; PRIOR FILING DATE: 2000-04-12
; PRIOR APPLICATION NUMBER: 60/256,931
; PRIOR FILING DATE: 2000-12-21
; PRIOR APPLICATION NUMBER: 60/199,384
; PRIOR FILING DATE: 2000-04-25
; NUMBER OF SEQ ID NOS: 2267
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2054
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-833-245-2054
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Percent Similarity: 100.00% Conservative: 0
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RESULT 9
US-10-025-380-1066
; Sequence 1066, Application US/10025380
; Publication No. US20020182191A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather
; APPLICANT: Benson, Darin R.
; APPLICANT: Meagher, Madeleine Joy
; APPLICANT: Stolk, John A.
; APPLICANT: Wang, Tongtong
; APPLICANT: Jiang, Yugu
; APPLICANT: Smith, Carole L.
; APPLICANT: King, Gordon E.
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; APPLICANT: Skeiky, Yasir A. W.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Vedvick Thomas S.
; APPLICANT: Carter, Darrick
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; TITLE OF INVENTION: OF COLON CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.471C14
; CURRENT APPLICATION NUMBER: US/10/025,380
; CURRENT FILING DATE: 2001-12-19
; NUMBER OF SEQ ID NOS: 1129
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1066
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-025-380-1066
Alignment Scores:
Pred. No.: 2.17e-07 Length: 914

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Score: 107.00 Matches: 20
Percent Similarity: 100.00% Conservative: 0
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RESULT 9
US-10-055-412B-28
; Sequence 28, Application US/10055412B
; Publication No. US20030059861A1
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedict U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0058
; CURRENT APPLICATION NUMBER: US/10/055,412B
; CURRENT FILING DATE: 2001-10-29
; PRIOR APPLICATION NUMBER: US/09/193,562
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 28
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-055-412B-28

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Best Local Similarity: 100.00% Mismatches: 0
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US-09-049-696-17 (1-106) x US-10-055-412B-28 (1-914)

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RESULT 10
US-10-055-412B-28
; Sequence 6, Application US/10270595
; Publication No. US20030078409A1
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/10/270,595
; CURRENT FILING DATE: 2002-10-16
; PRIOR APPLICATION NUMBER: US/09/623,624
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
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; PRIOR FILING DATE: 1996-08-23
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; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; PRIOR FILING DATE: 1996-08-23
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-270-595-6

Alignment Scores:
Pred. No.: 2.17e-07 Length: 914
Score: 107.00 Matches: 20
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 59.12% Indels: 0
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US-09-049-696-17 (1-106) x US-10-270-595-6 (1-914)

Qy 1 GGCATTACATTTTAAATAATTATGTGGAAGTGGATAGGAGAACTGCAGCTGTCAATAGCC 60
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RESULT 11
US-10-235-994-26
; Sequence 26, Application US/10235994
; Publication No. US20030101002A1
; GENERAL INFORMATION:
; APPLICANT: Bartha, Gabor
; APPLICANT: Walker, Michael
; TITLE OF INVENTION: METHODS FOR ANALYZING GENE EXPRESSION PATTERNS
; FILE REFERENCE: ICVTP012
; CURRENT APPLICATION NUMBER: US/10/235,994
; CURRENT FILING DATE: 2002-09-04
; PRIOR APPLICATION NUMBER: US/10/003,608
; PRIOR FILING DATE: 2001-11-01
; PRIOR APPLICATION NUMBER: 60/245,081
; PRIOR FILING DATE: 2000-11-01
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 26
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Human
US-10-235-994-26

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Pred. No.: 2.17e-07 Length: 914
Score: 107.00 Matches: 20
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 59.12% Indels: 0
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US-09-049-696-17 (1-106) x US-10-235-994-26 (1-914)

Qy 1 GGCATTACATTTTAAATAATTATGTGGAAGTGGATAGGAGAACTGCAGCTGTCAATAGCC 60
Db 895 GlyIleHisIleLeuLysIleMetTrpLysTrpIleGlyGluLeuGlnLeuSerIleAla 914

RESULT 12
US-10-060-255-42
; Sequence 42, Application US/10060255
; Publication No. US20030113840A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
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; TITLE OF INVENTION: 25 Human secreted proteins
; FILE REFERENCE: P2042PI
; CURRENT APPLICATION NUMBER: US/10/060,255
; CURRENT FILING DATE: 2002-02-01
; PRIOR APPLICATION NUMBER: 09/781,417
; PRIOR FILING DATE: 2001-02-13
; PRIOR APPLICATION NUMBER: PCT/US00/22325
; PRIOR FILING DATE: 2000-08-16
; PRIOR APPLICATION NUMBER: 60/149,182
; PRIOR FILING DATE: 1999-08-17
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; ORGANISM: Homo sapiens
US-10-060-255-42

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Percent Similarity: 100.00% Conservative: 0
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QY 1 GCATTACATTTTAAATAATTGTGGAAGTGGATAGGAACTGCAGCTGTCAATAGCC 60
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Db 895 GlyIleHisIleLeuLysIleMetTrpLysTrpIleGlyGluLeuGlnLeuSerIleAla 914

RESULT 13
US-10-369-214-133
; Sequence 133, Application US/10369214
; Publication No. US2003023037A1
; GENERAL INFORMATION:
; APPLICANT: Groot, Pieter C.
; APPLICANT: Berghenhegouwen van, Bram J.
; APPLICANT: Oosterhout van, Antoon J.M.
; TITLE OF INVENTION: Genes involved in immune related responses observed
; TITLE OF INVENTION: with asthma
; FILE REFERENCE: P53837US00
; CURRENT APPLICATION NUMBER: US/10/369,214
; CURRENT FILING DATE: 2003-02-15
; PRIOR APPLICATION NUMBER: EP 00202867.8
; PRIOR FILING DATE: 2000-08-16
; PRIOR APPLICATION NUMBER: PCT/NL01/00610
; PRIOR FILING DATE: 2001-08-16
; NUMBER OF SEQ ID NOS: 139
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; SEQ ID NO 133
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; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (1)..(914)
; OTHER INFORMATION: /note="Human CLCA1"
US-10-369-214-133

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RESULT 14
US-09-764-868-635
; Sequence 635, Application US/09764868
; Patent No. US20020168711A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PT232
; CURRENT APPLICATION NUMBER: US/09/764,868
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 1510
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 635
; LENGTH: 925
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-764-868-635

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Pred. No.: 2,17e-07 Length: 925
Score: 107.00 Matches: 20
Percent Similarity: 100.00% Conservative: 0
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US-09-049-696-17 (1-106) x US-09-764-868-635 (1-925)

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Db 906 GlyIleHisIleLeuLysIleMetTrpLysTrpIleGlyGluLeuGlnLeuSerIleAla 925

RESULT 15
US-10-106-698-6248
; Sequence 6248, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptides
; FILE REFERENCE: PA005P1
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
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US-10-106-698-6248

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Run on: April 21, 2004, 16:13:29 ; Search time 5.40912 Seconds
(without alignments)
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Perfect score: 181
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Delop 6.0 , Delext 7.0

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SUMMARIES

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2	107	59.1	914	US-09-623-624-6	Sequence 6, Appl
3	90	49.7	913	US-09-623-624-2	Sequence 2, Appl
4	59.5	32.9	520	US-09-292-858B-12	Sequence 12, Appl
5	50.5	27.9	808	US-08-804-439A-14	Sequence 14, Appl
6	50.5	27.9	808	US-08-720-229-14	Sequence 12, Appl
7	49	27.1	604	US-08-468-576B-12	Sequence 12, Appl
8	49	27.1	604	US-08-468-579B-12	Sequence 12, Appl
9	49	27.1	604	US-08-468-577B-12	Sequence 12, Appl
c 10	47.5	26.4	713	US-09-107-532A-4559	Sequence 4559, Ap
11	47	26.0	77	US-09-134-001C-5570	Sequence 5570, Ap
c 12	47	26.1	408	US-08-742-440A-6	Sequence 6, Appl

13	47	26.0	466	4	US-09-134-000C-5176	Sequence 5176, Ap
14	47	26.0	559	4	US-09-134-001C-3721	Sequence 3721, Ap
15	47	26.0	1015	4	US-09-344-510B-5	Sequence 5, Appl
16	46.5	25.7	357	4	US-09-489-039A-14100	Sequence 14100, A
17	46	25.4	217	4	US-09-489-039A-14094	Sequence 14094, A
c 18	46	25.6	302	4	US-09-252-991A-29500	Sequence 29500, A
19	46	25.4	318	3	US-08-878-474-3	Sequence 3, Appl
c 20	46	25.6	343	4	US-09-345-236B-69	Sequence 69, Appl
c 21	46	25.6	407	2	US-08-742-440A-3	Sequence 3, Appl
22	46	25.4	437	4	US-09-489-039A-12165	Sequence 12165, A
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30	46	25.4	979	4	US-09-544-794-2	Sequence 2, Appl
31	45.5	25.1	422	4	US-09-489-039A-12413	Sequence 12413, A
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36	45	24.9	276	4	US-09-548-334A-15	Sequence 15, Appl
37	45	24.9	276	4	US-09-547-621-15	Sequence 15, Appl
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41	45	24.9	278	4	US-09-378-088A-13	Sequence 13, Appl
42	45	24.9	278	4	US-09-548-334A-13	Sequence 13, Appl
43	45	24.9	278	4	US-09-547-621-13	Sequence 13, Appl
44	45	24.9	278	4	US-09-643-596B-13	Sequence 13, Appl
45	45	24.9	329	4	US-09-502-783A-9	Sequence 9, Appl

ALIGNMENTS

RESULT 1
US-09-193-562D-28
; Sequence 28, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Faull, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; FILE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; CURRENT FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 28
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-193-562D-28

Alignment Scores:	3,93e-09	Length:	914
Pred. No.:	107.00	Matches:	20
Score:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	59.12%	Indels:	0
DB:	4	Gaps:	0
US-09-049-696-17 (1-106) x US-09-193-562D-28 (1-914)			
Qy	1	GGCATTACATTTTAAAAATATGTGGAGTGGATAGGAGACTGCAGCTGCAATAGCC	60
Db	895	GlyIleHisIleLeuIleMetTrpIleGlyGluLeuGlnLeuSerIleAla	914
RESULT 2			
US-09-623-624-6			

```

; Sequence 6, Application US/09623624
; Patent No. 6576434
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/09/623,624
; CURRENT FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,472
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,110
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,168
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/980,872
; PRIOR FILING DATE: 1997-12-01
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-623-624-2

Alignment Scores:
Pred. No.: 2,55e-06 Length: 913
Score: 90.00 Matches: 13
Percent Similarity: 100.00% Conservative: 6
Best Local Similarity: 68.42% Mismatches: 0
Query Match: 49.72% Indels: 0
DB: 4 Gaps: 0

US-09-049-696-17 (1-106) x US-09-623-624-2 (1-913)
QY 1 GGCATTCACATTTAAAAATTATGTGGAGTGGATAGGAGACTGCAGCTGTCAATA 57
Db 892 GlylleHisValLeuLysIleMetTrpLysTrpLeuGlyGluMetGlnValThrLeu 910

RESULT 4
US-09-292-858B-12
; Sequence 12, Application US/09292858B
; Patent No. 6455681
; GENERAL INFORMATION:
; APPLICANT: Dean, Frank
; APPLICANT: O'Donnell, Michael E.
; TITLE OF INVENTION: DNA MOLECULES ENCODING SINGLE STRAND GAP RESPONSE
; TITLE OF INVENTION: PROTEINS INVOLVED IN ACTIVATION OF A DNA REPAIR/CELL
; TITLE OF INVENTION: CYCLE CHECKPOINT PATHWAY
; FILE REFERENCE: 22221/1011
; CURRENT APPLICATION NUMBER: US/09/292,858B
; CURRENT FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 60/082,020
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 12
; LENGTH: 520
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-292-858B-12

Alignment Scores:
Pred. No.: 0.252 Length: 520
Score: 59.50 Matches: 12
Percent Similarity: 62.96% Conservative: 5
Best Local Similarity: 44.44% Mismatches: 7
Query Match: 32.87% Indels: 3
DB: 4 Gaps: 1

US-09-049-696-17 (1-106) x US-09-292-858B-12 (1-520)
; Sequence 6, Application US/09623624
; Patent No. 6576434
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/09/623,624
; CURRENT FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,472
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,110
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,168
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/980,872
; PRIOR FILING DATE: 1997-12-01
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-623-624-6

Alignment Scores:
Pred. No.: 3,93e-09 Length: 914
Score: 107.00 Matches: 20
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 59.12% Indels: 0
DB: 4 Gaps: 0

US-09-049-696-17 (1-106) x US-09-623-624-6 (1-914)
QY 1 GGCATTCACATTTAAAAATTATGTGGAGTGGATAGGAGACTGCAGCTGTCAATAGCC 60
Db 895 GlylleHisIleLeuLysIleMetTrpLysTrpIleGlyGluLeuGlnSerIleIle 914

RESULT 3
US-09-623-624-2
; Sequence 2, Application US/09623624
; Patent No. 6576434
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/09/623,624
; CURRENT FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
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QY 9 CATTTTAAATAATATGTGGAAGTGGATAGGAGAACTGCAGCTGTCAATAGCCCTAGGGCTG 68
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 403 HisPheLys-----GlutAspAspValValThrAlaIleAsnAspLeuGlyLeu 419
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 69 AATTTTGTGCATATAATAA 89
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 420 SerAspCysMetLeuAsnGlu 426
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

RESULT 5
US-08-804-439A-14
; Sequence 14, Application US/08804439A
; Patent No. 601585
; GENERAL INFORMATION:
; APPLICANT: Rose, Timothy M.
; APPLICANT: Bosch, Marnix L.
; APPLICANT: Strand, Kurt
; TITLE OF INVENTION: GLYCOPROTEIN B OF THE RFHV/KSHV
; TITLE OF INVENTION: SUBFAMILY OF HERPES VIRUSES
; NUMBER OF SEQUENCES: 113
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C.
; STREET: 4225 Executive Square, Ste 1400
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/804,439A
; FILING DATE: February 21, 1997
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Haile, Lisa A.
; REGISTRATION NUMBER: 38,347
; REFERENCE/DOCKET NUMBER: 09176/004001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 678-5070
; TELEFAX: (619) 678-5099
; TELEX:
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 808 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-804-439A-14

Alignment Scores:
Pred. No.: 8.45 Length: 808
Score: 50.50 Matches: 15
Percent Similarity: 50.00% Conservative: 3
Best Local Similarity: 41.67% Mismatches: 9
Query Match: 27.90% Indels: 9
DB: 3 Gaps: 2

US-09-049-696-17 (1-106) x US-08-804-439A-14 (1-808)
QY 9 CATTTTAAATAATATGTGGAAGTGGATAGGAGAACTGCAGCTGTCAATAGC----- 59
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 573 HisPheLysAsnTyrValHisValGlu-----ThrLeuProValAsnAsnIleSerThr 590
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 60 -----CTAGGGCTGAATTTTGTGCAGATAATAATAATAAT 95
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 591 LeuAspThrPheLeuAlaLeuAsnLeuThrPheIleGluAsnIleAsp 606
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

RESULT 6
US-08-720-229-14
; Sequence 14, Application US/08468576B
; Patent No. 5955345
; GENERAL INFORMATION:
; APPLICANT: Rabin, Daniel
; TITLE OF INVENTION: PANCREATIC ISLET CELL ANTIGENS
; TITLE OF INVENTION: OBTAINED BY MOLECULAR CLONING
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sprung Kramer Schaefer & Briscoe
; STREET: 660 White Plains Road
; CITY: Tarrytown
```

```
; Sequence 14, Application US/08720229
; Patent No. 6022542
; GENERAL INFORMATION:
; APPLICANT: Rose, Timothy M.
; APPLICANT: Bosch, Marnix L.
; APPLICANT: Strand, Kurt
; TITLE OF INVENTION: GLYCOPROTEIN B OF THE RFHV/KSHV
; TITLE OF INVENTION: SUBFAMILY OF HERPES VIRUSES
; NUMBER OF SEQUENCES: 100
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Morrison & Foerster
; STREET: 755 Page Mill Road
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304-1018
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/720,229
; FILING DATE: 26-SEP-1996
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Schiff, J. Michael
; REGISTRATION NUMBER: 40,253
; REFERENCE/DOCKET NUMBER: 29938-20002.00
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 813-5600
; TELEFAX: (415) 494-0792
; TELEX: 706141
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 808 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-720-229-14

Alignment Scores:
Pred. No.: 8.45 Length: 808
Score: 50.50 Matches: 15
Percent Similarity: 50.00% Conservative: 3
Best Local Similarity: 41.67% Mismatches: 9
Query Match: 27.90% Indels: 9
DB: 3 Gaps: 2

US-09-049-696-17 (1-106) x US-08-720-229-14 (1-808)
QY 9 CATTTTAAATAATATGTGGAAGTGGATAGGAGAACTGCAGCTGTCAATAGC----- 59
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 573 HisPheLysAsnTyrValHisValGlu-----ThrLeuProValAsnAsnIleSerThr 590
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 60 -----CTAGGGCTGAATTTTGTGCAGATAATAATAATAAT 95
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 591 LeuAspThrPheLeuAlaLeuAsnLeuThrPheIleGluAsnIleAsp 606
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

RESULT 7
US-08-468-576B-12
; Sequence 12, Application US/08468576B
; Patent No. 5955345
; GENERAL INFORMATION:
; APPLICANT: Rabin, Daniel
; TITLE OF INVENTION: PANCREATIC ISLET CELL ANTIGENS
; TITLE OF INVENTION: OBTAINED BY MOLECULAR CLONING
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sprung Kramer Schaefer & Briscoe
; STREET: 660 White Plains Road
; CITY: Tarrytown
```

```
STATE: New York
COUNTRY: USA
ZIP: 10591-5144
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.4 Mb storage
COMPUTER: Apple Macintosh
OPERATING SYSTEM: System 7.5
SOFTWARE: WordPerfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/468,576B
FILING DATE: 06-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/239,276
FILING DATE: 05-MAY-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/872,646
FILING DATE: 08-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/715,181
FILING DATE: 14-JUN-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/441,703
FILING DATE: 04-DEC-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/312,543
FILING DATE: 17-FEB-1989
ATTORNEY/AGENT INFORMATION:
NAME: Kurt G. Briscoe
REGISTRATION NUMBER: 33,141
REFERENCE/DOCKET NUMBER: MDI 251.7-KGB
TELECOMMUNICATION INFORMATION:
TELEPHONE: (914) 332-1700
TELEFAX: (914) 332-1844
LENGTH: 604 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-468-576B-12

Alignment Scores:
Pred. No.: 14.1 Length: 604
Score: 49.00 Matches: 8
Percent Similarity: 75.00% Conservative: 7
Best Local Similarity: 40.00% Mismatches: 5
Query Match: 27.07% Indels: 0
DB: 2 Gaps: 0

US-09-049-696-17 (1-106) x US-08-468-576B-12 (1-604)
QY 30 GTGATAGGAGACTGCTCAATAGCCTAGGCTGAATTTTGTCAAGATAATAA 89
Db 522 ValAspGlyLysSerSerIleAsnMetGlyLeuAsnSerCysArgAsnGluLys 541

RESULT 8
US-08-468-579B-12
; Sequence 12, Application US/08468579B
; Patent No. 5981700
; GENERAL INFORMATION:
; APPLICANT: Rabin, Daniel
; TITLE OF INVENTION: PANCREATIC ISLET CELL ANTIGENS
; TITLE OF INVENTION: OBTAINED BY MOLECULAR CLONING
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sprung Kramer Schaefer & Briscoe
; STREET: 660 White Plains Road
; CITY: Tarrytown
; STATE: New York
; COUNTRY: USA
; ZIP: 10591-5144
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4 Mb storage
; COMPUTER: Apple Macintosh
; OPERATING SYSTEM: System 7.5
; SOFTWARE: WordPerfect
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/468,577B
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COMPUTER: Apple Macintosh
OPERATING SYSTEM: System 7.5
SOFTWARE: WordPerfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/468,579B
FILING DATE: 06-JUN-1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/239,276
FILING DATE: 05-MAY-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/872,646
FILING DATE: 08-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/715,181
FILING DATE: 14-JUN-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/441,703
FILING DATE: 04-DEC-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/312,543
FILING DATE: 17-FEB-1989
ATTORNEY/AGENT INFORMATION:
NAME: Kurt G. Briscoe
REGISTRATION NUMBER: 33,141
REFERENCE/DOCKET NUMBER: MDI 251.5-KGB
TELECOMMUNICATION INFORMATION:
TELEPHONE: (914) 332-1700
TELEFAX: (914) 332-1844
LENGTH: 604 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-468-579B-12

Alignment Scores:
Pred. No.: 14.1 Length: 604
Score: 49.00 Matches: 8
Percent Similarity: 75.00% Conservative: 7
Best Local Similarity: 40.00% Mismatches: 5
Query Match: 27.07% Indels: 0
DB: 2 Gaps: 0

US-09-049-696-17 (1-106) x US-08-468-579B-12 (1-604)
QY 30 GTGATAGGAGACTGCTCAATAGCCTAGGCTGAATTTTGTCAAGATAATAA 89
Db 522 ValAspGlyLysSerSerIleAsnMetGlyLeuAsnSerCysArgAsnGluLys 541

RESULT 9
US-08-468-577B-12
; Sequence 12, Application US/08468577B
; Patent No. 6001804
; GENERAL INFORMATION:
; APPLICANT: Rabin, Daniel
; TITLE OF INVENTION: PANCREATIC ISLET CELL ANTIGENS
; TITLE OF INVENTION: OBTAINED BY MOLECULAR CLONING
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sprung Kramer Schaefer & Briscoe
; STREET: 660 White Plains Road
; CITY: Tarrytown
; STATE: New York
; COUNTRY: USA
; ZIP: 10591-5144
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4 Mb storage
; COMPUTER: Apple Macintosh
; OPERATING SYSTEM: System 7.5
; SOFTWARE: WordPerfect
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/468,577B
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/
/ FILING DATE: 06-JUN-1995
/ CLASSIFICATION: 514
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 08/239,276
/ FILING DATE: 05-MAY-1994
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 07/872,646
/ FILING DATE: 08-JUN-1992
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 07/715,181
/ FILING DATE: 14-JUN-1991
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 07/441,703
/ FILING DATE: 04-DEC-1989
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 07/312,543
/ FILING DATE: 17-FEB-1989
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Kurt G. Briscoe
/ REGISTRATION NUMBER: 33,141
/ REFERENCE/DOCKET NUMBER: MDI 251.8-KGB
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (914) 332-1700
/ TELEFAX: (914) 332-1844
/ INFORMATION FOR SEQ ID NO: 12:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 604 amino acids
/ TYPE: amino acid
/ TOPOLOGY: linear
/
/ US-08-468-577B-12
/
/ Alignment Scores:
/ Pred. No.: 14.1 Length: 604
/ Score: 49.00 Matches: 8
/ Percent Similarity: 75.00% Conservative: 7
/ Best Local Similarity: 40.00% Mismatches: 5
/ Query Match: 27.07% Indels: 0
/ DB: 3 Gaps: 0
/
/ US-09-049-696-17 (1-106) x US-08-468-577B-12 (1-604)
/
/ QY 30 GTGGATAGAGAACTGACCTGCTCATAGCTAGGCTGAATTTTGTGACATAATAAA 89
/
/ Db 522 ValAspGlyLysLysSerSerIleAsnAsnMetGlyLeuAsnSerCysArgAsnGluLys 541
/
/ RESULT 10
/ US-09-107-532A-4559
/ Sequence 4559, Application US/09107532A
/ Patent No. 6583275
/ GENERAL INFORMATION:
/ APPLICANT: Lynn A Doucette-Stamm and David Bush
/ TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
/ NUMBER OF SEQUENCES: 7310
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: GENOME THERAPEUTICS CORPORATION
/ STREET: 100 Beaver Street
/ CITY: Waltham
/ STATE: Massachusetts
/ COUNTRY: USA
/ ZIP: 02354
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: CD-ROM ISO9660
/ OPERATING SYSTEM: <Unknown>
/ SOFTWARE: ASCII
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/09/107,532A
/ FILING DATE: 30-JUN-1998
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 60/085,598
/ FILING DATE: 14 May 1998
/ APPLICATION NUMBER: 60/051571
/
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```
/
/ FILING DATE: July 2, 1997
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Ariniello, Pamela Deneke
/ REGISTRATION NUMBER: 40,489
/ REFERENCE/DOCKET NUMBER: GTC-012
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (781)893-5007
/ TELEFAX: (781)893-8277
/ INFORMATION FOR SEQ ID NO: 4559:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 713 amino acids
/ TYPE: amino acid
/ TOPOLOGY: linear
/ MOLECULE TYPE: protein
/ HYPOTHETICAL: YES
/ ORIGINAL SOURCE:
/ ORGANISM: Enterococcus faecium
/ FEATURE:
/ NAME/KEY: misc_feature
/ LOCATION: (B) LOCATION 1...713
/ SEQUENCE DESCRIPTION: SEQ ID NO: 4559:
/
/ US-09-107-532A-4559
/
/ Alignment Scores:
/ Pred. No.: 25.8 Length: 713
/ Score: 47.50 Matches: 12
/ Percent Similarity: 55.88% Conservative: 7
/ Best Local Similarity: 35.29% Mismatches: 6
/ Query Match: 26.39% Indels: 9
/ DB: 4 Gaps: 2
/
/ US-09-049-696-17 (1-106) x US-09-107-532A-4559 (1-713)
/
/ QY 99 AATGAT-----TTATTTTATTTATCTGACAAAAATTGAGCCCTAGGCTATTGACAGCTG 46
/
/ Db 109 AsnAspSerLysValHisTyrThrAsnAsnLysAsnSer----- 121
/
/ QY 45 CAGTTCTCCTCATCCACTTCCACATATTTTAAATGTGAAT 4
/
/ Db 122 LysTyrGlnLeuLysLeuProAsnAsnPheLeuAsnIleAsn 135
/
/ RESULT 11
/ US-09-134-001C-5570
/ Sequence 5570, Application US/09134001C
/ Patent No. 6380370
/ GENERAL INFORMATION:
/ APPLICANT: Lynn Doucette-Stamm et al
/ TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
/ FILE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS
/ FILE REFERENCE: GTC-007
/ CURRENT APPLICATION NUMBER: US/09/134,001C
/ PRIOR FILING DATE: 1998-08-13
/ PRIOR APPLICATION NUMBER: US 60/064,964
/ PRIOR FILING DATE: 1997-11-08
/ PRIOR APPLICATION NUMBER: US 60/055,779
/ PRIOR FILING DATE: 1997-08-14
/ NUMBER OF SEQ ID NOS: 5674
/ SEQ ID NO 5570
/ LENGTH: 77
/ TYPE: PRT
/ ORGANISM: Staphylococcus epidermidis
/
/ US-09-134-001C-5570
/
/ Alignment Scores:
/ Pred. No.: 20.1 Length: 77
/ Score: 47.00 Matches: 12
/ Percent Similarity: 55.88% Conservative: 7
/ Best Local Similarity: 35.29% Mismatches: 13
/ Query Match: 25.97% Indels: 2
/ DB: 4 Gaps: 1
/
/ US-09-049-696-17 (1-106) x US-09-134-001C-5570 (1-77)
/
```


QY 3 CATTACACATTTTAAATATGTGGAGTGGATAGGAGAACTGCAGCTGTCAATAGCCTA 62
Db 31 TyrGlnHisValGluValAlaLeuLysIleAsnGluThrValGlnValLysSerLeu 50
QY 63 GGGCTGAATTTTGCAGATAATAATAAATCAATCATCC 104
Db 51 GlyTyrAsnGluAspIleLeu-----IleAsnHisAsnThr 62

RESULT 12

US-08-742-440A-6
; Sequence 6, Application US/08742440A
; Patent No. 5892014
; GENERAL INFORMATION:
; APPLICANT: Coughlin, Shaun
; APPLICANT: Ishihari, Hiroaki
; APPLICANT: Connolly, Andrew
; TITLE OF INVENTION: Protease Activated Receptor
; TITLE OF INVENTION: 3 and Uses Thereof
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Bozicevic & Reed, LLP
; STREET: 285 Hamilton Avenue, Suite 200
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94301
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/742,440A
; FILING DATE: 30-OCT-1996
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Sherwood, Pamela J
; REGISTRATION NUMBER: 36,677
; REFERENCE/DOCKET NUMBER: UCAL/060PAT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-327-3400
; TELEFAX: 650 327-3231
; TELEX:
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 408 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; FEATURE:
US-08-742-440A-6

Alignment Scores:
Pred. No.: 28 Length: 408
Score: 47.00 Matches: 9
Percent Similarity: 60.71% Conservative: 8
Best Local Similarity: 32.14% Mismatches: 11
Query Match: 26.11% Indels: 0
DB: 2 Gaps: 0

US-09-049-696-17 (1-106) x US-08-742-440A-6 (1-408)

QY 95 ATTTATTTTATTTATCTGCAAAATTCAGCCCTAGGCTATTGACAGCTGCAGTCTCTCT 36
Db 355 LeuTyrPheIleTyrLeuIleAlaLeuCysLeuGlySerLeuAsnSerCysLeuAspPro 374
QY 35 ATCCACTTCCACATATTTTAAA 12.
Db 375 PheLeuTyrPheLeuMetSerLys 382

RESULT 13

US-09-134-000C-5176
; Sequence 5176, Application US/09134000C
; Patent No. 6617156
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; TITLE OF INVENTION: ENTEROCOCCUS FAECALIS FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 032796-032
; CURRENT APPLICATION NUMBER: US/09/134,000C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/055,778
; PRIOR FILING DATE: 1997-08-15
; NUMBER OF SEQ ID NOS: 6812
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5176
; LENGTH: 466
; TYPE: PRT
; ORGANISM: Enterococcus faecalis
US-09-134-000C-5176

Alignment Scores:
Pred. No.: 28.7 Length: 466
Score: 47.00 Matches: 9
Percent Similarity: 65.00% Conservative: 4
Best Local Similarity: 45.00% Mismatches: 7
Query Match: 25.97% Indels: 0
DB: 4 Gaps: 0

US-09-049-696-17 (1-106) x US-09-134-000C-5176 (1-466)

QY 3 CATTACACATTTTAAATATGTGGAGTGGATAGGAGAACTGCAGCTGTCAATAGCCTA 62
Db 19 HisSerHisPheGluAsnTrpProLysIleArgLeuValLysAlaLysArgSerLeu 38

RESULT 14

US-09-134-001C-3721
; Sequence 3721, Application US/09134001C
; Patent No. 6380370
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
; TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: GTC-007
; CURRENT APPLICATION NUMBER: US/09/134,001C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/064,964
; PRIOR FILING DATE: 1997-11-08
; PRIOR APPLICATION NUMBER: US 60/055,779
; PRIOR FILING DATE: 1997-08-14
; NUMBER OF SEQ ID NOS: 5674
; SEQ ID NO 3721
; LENGTH: 559
; TYPE: PRT
; ORGANISM: Staphylococcus epidermidis
US-09-134-001C-3721

Alignment Scores:
Pred. No.: 29.8 Length: 559
Score: 47.00 Matches: 9
Percent Similarity: 63.64% Conservative: 5
Best Local Similarity: 40.91% Mismatches: 8
Query Match: 25.97% Indels: 0
DB: 4 Gaps: 0

US-09-049-696-17 (1-106) x US-09-134-001C-3721 (1-559)

QY 3 CATTACACATTTTAAATATGTGGAGTGGATAGGAGAACTGCAGCTGTCAATAGCCTA 62
Db 47 HisProAsnIleLysThrTrpIleHisProAspGluArgSerAlaPhePheAlaLeu 66
QY 63 GGGCTG 68

Db 67 GlyLeu 68

RESULT 15

US-09-344-510B-5

; Sequence 5, Application US/09344510B

; Patent No. 6579850

; GENERAL INFORMATION:

; APPLICANT: Nabeshima, Youichi

; Kuroo, Makoto

; Sekine, Susumu

; Iida, Akihiro

; TITLE OF INVENTION: No. 6579850e1 Polypeptide, No. 6579850e1 DNA and No. 657985

; NUMBER OF SEQUENCES: 38

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Fitzpatrick, Cella, Harper & Scinto

; STREET: 30 Rockefeller Plaza

; CITY: New York

; STATE: New York

; COUNTRY: United States

; ZIP: 10112-3801

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Diskette, 1.44 mb, DS, DD

; COMPUTER: Compaq DeskPro EN

; OPERATING SYSTEM: Windows 98

; SOFTWARE: WordPad

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/344,510B

; FILING DATE: 25-Jun-1999

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: PCT/JP97/04585

; FILING DATE: 12-DEC-1997

; APPLICATION NUMBER: JP 347871

; FILING DATE: 26-DEC-1996

; APPLICATION NUMBER: JP 205815

; FILING DATE: 31-JUL-1997

; ATTORNEY/AGENT INFORMATION:

; NAME: Perry, Lawrence S.

; REGISTRATION NUMBER: 31865

; REFERENCE/DOCKET NUMBER: 766.32

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (212) 218-2100

; TELEFAX: (212) 218-2200

; INFORMATION FOR SEQ ID NO: 5:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 1015

; TYPE: amino acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: peptide

; ORIGINAL SOURCE:

; ORGANISM: human

; IMMEDIATE SOURCE:

; LIBRARY: pancreas

; SEQUENCE DESCRIPTION: SEQ ID NO: 5:

US-09-344-510B-5

Alignment Scores:

Pred. No.:	33.5	Length:	1015
Score:	47.00	Matches:	9
Percent Similarity:	55.26%	Conservative:	12
Best Local Similarity:	23.68%	Mismatches:	7
Query Match:	25.97%	Indels:	10
DB:	4	Gaps:	1

US-09-049-696-17 (1-106) x US-09-344-510B-5 (1-1015)

QY 3 CATTACATTTTAAAAAT-----TATGTGGAAGTG 32

Db 86 HistHrHisLeuLysAsnValSerSerThrAsnGlySerSerAspSerTyrIlePheLeu 105

QY 33 GATAGAGAACTGACGCTCAATAGCCTAGGCTGAATTTTGTGATATAAT 86

Db 106 GluLysAspLeuSerAlaLeuAspPheIleGlyValSerPheTyrGlnPheSer 123

Search completed: April 21, 2004, 16:22:29

Job time : 7.40912 secs

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OM nucleic - nucleic search, using sw model

Run on: April 24, 2004, 04:05:52 ; Search time 129.509 Seconds
(without alignments)
8424.829 Million cell updates/sec

Title: US-09-049-696-16

Perfect score: 242

Sequence: 1 GTTTATTCCTCCACAGACTC.....ATGTTATTTAGACTTCCTGCT 242

Scoring table: IDENTITY NUC

Gapop 10_0 , Gapext 1.0

Searched: 2907579 seqs, 2254313464 residues

Total number of hits satisfying chosen parameters: 5815158

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA.*

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3: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq.*
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18: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq.*
19: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	242	100.0	411	15	US-10-060-036-2975
2	242	100.0	482	15	US-10-060-036-2975
3	242	100.0	482	15	US-10-066-543-181
4	242	100.0	482	15	US-10-066-543-1737
5	242	100.0	482	15	US-10-066-543-1898
6	242	100.0	482	15	US-10-066-543-2241
7	242	100.0	524	9	US-09-998-598-2534
8	242	100.0	3109	15	US-10-106-698-2111
9	242	100.0	3111	9	US-09-823-356-25
10	242	100.0	3111	9	US-09-981-353-191
11	242	100.0	3111	15	US-10-235-994-25
12	242	100.0	3267	9	US-09-764-868-22
13	238.8	98.7	3007	15	US-10-055-412B-27
14	230	95.0	376	15	US-10-066-543-22

15	230	95.0	481	15	US-10-066-543-2792	Sequence 2792, Ap
16	230	95.0	483	15	US-10-066-543-2794	Sequence 2794, Ap
17	230	95.0	3311	9	US-09-922-217-1056	Sequence 1056, Ap
18	230	95.0	3311	9	US-09-833-263-1056	Sequence 1056, Ap
19	230	95.0	3311	14	US-10-025-380-1056	Sequence 1056, Ap
20	230	95.0	3311	15	US-10-393-590-11	Sequence 11, Appl
21	230	95.0	3311	15	US-10-393-590-12	Sequence 12, Appl
22	230	95.0	3311	15	US-10-393-590-46	Sequence 46, Appl
23	230	95.0	3311	15	US-10-393-590-47	Sequence 47, Appl
24	230	95.0	3311	15	US-10-393-567-11	Sequence 11, Appl
25	230	95.0	3311	15	US-10-393-567-12	Sequence 12, Appl
26	230	95.0	3311	15	US-10-393-567-46	Sequence 46, Appl
27	230	95.0	3311	15	US-10-393-567-47	Sequence 47, Appl
28	230	95.0	3311	15	US-10-394-087-11	Sequence 11, Appl
29	230	95.0	3311	15	US-10-394-087-12	Sequence 12, Appl
30	230	95.0	3311	15	US-10-394-087-46	Sequence 46, Appl
31	230	95.0	3311	15	US-10-394-087-47	Sequence 47, Appl
32	213.4	88.2	2854	15	US-10-106-698-1971	Sequence 1971, Ap
33	213.4	88.2	2867	15	US-10-106-698-351	Sequence 351, App
C 35	196.4	81.2	230	15	US-10-066-543-1621	Sequence 1621, Ap
C 36	190.4	78.7	389	15	US-10-066-543-1971	Sequence 1971, Ap
37	166.8	68.9	878	13	US-09-988-292-8	Sequence 8, Appli
38	154	63.6	2745	15	US-10-270-595-5	Sequence 5, Appli
39	154	63.6	4569	10	US-09-867-034-3	Sequence 3, Appli
40	114	47.1	142	15	US-10-066-543-1927	Sequence 1927, Ap
C 42	105	43.4	215	13	US-09-878-134-219	Sequence 219, App
C 43	92	38.0	2931	15	US-10-270-595-1	Sequence 1, Appli
44	60	24.8	60	10	US-09-908-975-8766	Sequence 8766, Ap
45	41	16.9	12007	15	US-10-311-455-689	Sequence 689, App

ALIGNMENTS

RESULT 1

US-10-060-036-2975
; Sequence 2975, Application US/10060036
; Publication No. US20030073144A1
; GENERAL INFORMATION:
; APPLICANT: Benson, Darin R.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Persing, David H.
; APPLICANT: Hepler, William T.
; APPLICANT: Jiang, Yugu
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.566
; CURRENT APPLICATION NUMBER: US/10/060,036
; CURRENT FILING DATE: 2002-01-30
; NUMBER OF SEQ ID NOS: 4560
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2975
; LENGTH: 411
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-060-036-2975

Query Match	100.0%;	Score 242;	DB 15;	Length 411;
Best Local Similarity	100.0%;	Pred. No. 5.7e-51;		
Matches 242;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
QY	1	GTTTATTCCTCCACAGACTCCGCCAGACACCTAGTCTCGATGAAACCTGCTCCTTG 60		
DB	142	GTTTATTCCTCCACAGACTCCGCCAGACACCTAGTCTCGATGAAACCTGCTCCTTG 201		
QY	61	TCCTATATTCATATCAACAGACCATTCCTGGCATTTCACATTTTAAATATGTGAA 120		
DB	202	TCCTATATTCATATCAACAGACCATTCCTGGCATTTCACATTTTAAATATGTGAA 261		
QY	121	GTGGATAGGAGAACTGCAGCTGCTCAATAGCCTAGGGCTGAAATTTTGTGAGATAATAA 180		

Db 262 GTGGTAGGAGAACTGCAGCTGTCAATAGCTAGGCTGAATTTTGTGTCAGATAATAAA 321
QY 181 ATAAATCATTCCTCTTTTGTGATTAATAATTTCTAAATGATTTTGTAGACTTCT 240
Db 322 ATAAATCATTCCTCTTTTGTGATTAATAATTTCTAAATGATTTTGTAGACTTCT 381

QY 241 GT 242
Db 382 GT 383

RESULT 2

US-10-060-036-2601
; Sequence 2601, Application US/10060036
; Publication No. US2003073144A1

; GENERAL INFORMATION:

; APPLICANT: Benson, Darin R.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Persing, David H.
; APPLICANT: Hepler, William T.
; APPLICANT: Jiang, Yuqiu
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121-566
; CURRENT APPLICATION NUMBER: US/10/060,036
; CURRENT FILING DATE: 2002-01-30
; NUMBER OF SEQ ID NOS: 4560
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2601
; LENGTH: 482
; TYPE: DNA
; ORGANISM: Homo sapiens

US-10-060-036-2601

Query Match 100.0%; Score 242; DB 15; Length 482;
Best Local Similarity 100.0%; Pred. No. 6.1e-51;
Matches 242; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTTATTCTCCACAGACTCCGCCAGACACCTAGTCTGATGAACGCTGTGCTCCTTG 60
Db 213 GTTATTCTCCACAGACTCCGCCAGACACCTAGTCTGATGAACGCTGTGCTCCTTG 272

QY 61 TCCTAATATTCATCAACAGACACCATTCCTGGCATTACATTTTAAATAATTTATGTGAA 120
Db 273 TCCTAATATTCATCAACAGACACCATTCCTGGCATTACATTTTAAATAATTTATGTGAA 332

QY 121 GTGGTAGGAGAACTGCAGCTGTCAATAGCCTAGGCTGAATTTTGTGTCAGATAATAAA 180
Db 333 GTGGTAGGAGAACTGCAGCTGTCAATAGCCTAGGCTGAATTTTGTGTCAGATAATAAA 392

QY 181 ATAAATCATTCCTCTTTTGTGATTAATAATTTCTAAATGATTTTGTAGACTTCT 240
Db 393 ATAAATCATTCCTCTTTTGTGATTAATAATTTCTAAATGATTTTGTAGACTTCT 452

QY 241 GT 242
Db 453 GT 454

RESULT 3

US-10-066-543-181/c
; Sequence 181, Application US/10066543
; Publication No. US2003087818A1

; GENERAL INFORMATION:

; APPLICANT: Jiang, Yuqiu
; APPLICANT: Pyle, Ruth A.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Indrias, Carol Yoseph
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather
; APPLICANT: Carter, Darrick

; APPLICANT: Fanger, Gary R.
; APPLICANT: Smith, Carole L.
; APPLICANT: Durham, Margarita
; APPLICANT: Stolk, John A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121-563
; CURRENT APPLICATION NUMBER: US/10/066,543
; CURRENT FILING DATE: 2002-01-31
; NUMBER OF SEQ ID NOS: 3417
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 181
; LENGTH: 482
; TYPE: DNA
; ORGANISM: Homo sapiens

US-10-066-543-181

Query Match 100.0%; Score 242; DB 15; Length 482;
Best Local Similarity 100.0%; Pred. No. 6.1e-51;
Matches 242; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTTATTCTCCACAGACTCCGCCAGACACCATTCCTGGCATTACATTTTAAATAATTTATGTGAA 60
Db 270 GTTATTCTCCACAGACTCCGCCAGACACCATTCCTGGCATTACATTTTAAATAATTTATGTGAA 211

QY 61 TCCTAATATTCATCAACAGACACCATTCCTGGCATTACATTTTAAATAATTTATGTGAA 120
Db 210 TCCTAATATTCATCAACAGACACCATTCCTGGCATTACATTTTAAATAATTTATGTGAA 151

QY 121 GTGGTAGGAGAACTGCAGCTGTCAATAGCCTAGGCTGAATTTTGTGTCAGATAATAAA 180
Db 150 GTGGTAGGAGAACTGCAGCTGTCAATAGCCTAGGCTGAATTTTGTGTCAGATAATAAA 91

QY 181 ATAAATCATTCCTCTTTTGTGATTAATAATTTCTAAATGATTTTGTAGACTTCT 240
Db 90 ATAAATCATTCCTCTTTTGTGATTAATAATTTCTAAATGATTTTGTAGACTTCT 31

QY 241 GT 242
Db 30 GT 29

RESULT 4

US-10-066-543-1737
; Sequence 1737, Application US/10066543
; Publication No. US2003087818A1

; GENERAL INFORMATION:

; APPLICANT: Jiang, Yuqiu
; APPLICANT: Pyle, Ruth A.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Indrias, Carol Yoseph
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather
; APPLICANT: Carter, Darrick
; APPLICANT: Fanger, Gary R.
; APPLICANT: Smith, Carole L.
; APPLICANT: Durham, Margarita
; APPLICANT: Stolk, John A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121-563
; CURRENT APPLICATION NUMBER: US/10/066,543
; CURRENT FILING DATE: 2002-01-31
; NUMBER OF SEQ ID NOS: 3417
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1737
; LENGTH: 482
; TYPE: DNA
; ORGANISM: Homo sapiens

US-10-066-543-1737

Query Match 100.0%; Score 242; DB 15; Length 482;
Best Local Similarity 100.0%; Pred. No. 6.1e-51;

Matches 242; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTTATTCTCCACAGACTCCGCCAGAGACACTAGTCTCGATGAAACGCTGCTCCTTG 60
DB 213 GTTATTCTCCACAGACTCCGCCAGAGACACTAGTCTCGATGAAACGCTGCTCCTTG 272

QY 61 TCCTAATATTCATATCAACAGACCACTTCCTGGCAATTCACATTTTAAAAATTTATGTGAA 120
DB 273 TCCTAATATTCATATCAACAGACCACTTCCTGGCAATTCACATTTTAAAAATTTATGTGAA 332

QY 121 GTGGATAGAGAACTGCAGCTGCTCAATAGCCTAGGGCTGAATTTTGTGCAGATAATAAA 180
DB 333 GTGGATAGAGAACTGCAGCTGCTCAATAGCCTAGGGCTGAATTTTGTGCAGATAATAAA 392

QY 181 ATAAATCATTCATCTCTTTTGTGATTAATAAATTTCTTAAATGTAATTTTAGACTTCT 240
DB 393 ATAAATCATTCATCTCTTTTGTGATTAATAAATTTCTTAAATGTAATTTTAGACTTCT 452

QY 241 GT 242
DB 453 GT 454

RESULT 5

US-10-066-543-1898
; Sequence 1898, Application US/10066543
; Publication No. US20030087818A1
; GENERAL INFORMATION:

; APPLICANT: Jiang, Yuqiu
; APPLICANT: Pyle, Ruth A.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Indrias, Carol Yoseph
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather
; APPLICANT: Carter, Darrick
; APPLICANT: Fanger, Gary R.
; APPLICANT: Smith, Carole L.
; APPLICANT: Durham, Margarita
; APPLICANT: Stolk, John A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.563
; CURRENT APPLICATION NUMBER: US/10/066,543
; CURRENT FILING DATE: 2002-01-31
; NUMBER OF SEQ ID NOS: 3417
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1898
; LENGTH: 482
; TYPE: DNA
; ORGANISM: Homo sapiens

US-10-066-543-1898

Query Match 100.0%; Score 242; DB 15; Length 482;
Best Local Similarity 100.0%; Pred. No. 6.1e-51;
Matches 242; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTTATTCTCCACAGACTCCGCCAGAGACACTAGTCTCGATGAAACGCTGCTCCTTG 60
DB 213 GTTATTCTCCACAGACTCCGCCAGAGACACTAGTCTCGATGAAACGCTGCTCCTTG 272

QY 61 TCCTAATATTCATATCAACAGACCACTTCCTGGCAATTCACATTTTAAAAATTTATGTGAA 120
DB 273 TCCTAATATTCATATCAACAGACCACTTCCTGGCAATTCACATTTTAAAAATTTATGTGAA 332

QY 121 GTGGATAGAGAACTGCAGCTGCTCAATAGCCTAGGGCTGAATTTTGTGCAGATAATAAA 180
DB 333 GTGGATAGAGAACTGCAGCTGCTCAATAGCCTAGGGCTGAATTTTGTGCAGATAATAAA 392

QY 181 ATAAATCATTCATCTCTTTTGTGATTAATAAATTTCTTAAATGTAATTTTAGACTTCT 240
DB 393 ATAAATCATTCATCTCTTTTGTGATTAATAAATTTCTTAAATGTAATTTTAGACTTCT 452

QY 241 GT 242

DB 453 GT 454

RESULT 6

US-10-066-543-2241
; Sequence 2241, Application US/10066543
; Publication No. US20030087818A1
; GENERAL INFORMATION:

; APPLICANT: Jiang, Yuqiu
; APPLICANT: Pyle, Ruth A.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Indrias, Carol Yoseph
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather
; APPLICANT: Carter, Darrick
; APPLICANT: Fanger, Gary R.
; APPLICANT: Smith, Carole L.
; APPLICANT: Durham, Margarita
; APPLICANT: Stolk, John A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.563
; CURRENT APPLICATION NUMBER: US/10/066,543
; CURRENT FILING DATE: 2002-01-31
; NUMBER OF SEQ ID NOS: 3417
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2241
; LENGTH: 482
; TYPE: DNA
; ORGANISM: Homo sapiens

US-10-066-543-2241

Query Match 100.0%; Score 242; DB 15; Length 482;
Best Local Similarity 100.0%; Pred. No. 6.1e-51;
Matches 242; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTTATTCTCCACAGACTCCGCCAGAGACACTAGTCTCGATGAAACGCTGCTCCTTG 60
DB 213 GTTATTCTCCACAGACTCCGCCAGAGACACTAGTCTCGATGAAACGCTGCTCCTTG 272

QY 61 TCCTAATATTCATATCAACAGACCACTTCCTGGCAATTCACATTTTAAAAATTTATGTGAA 120
DB 273 TCCTAATATTCATATCAACAGACCACTTCCTGGCAATTCACATTTTAAAAATTTATGTGAA 332

QY 121 GTGGATAGAGAACTGCAGCTGCTCAATAGCCTAGGGCTGAATTTTGTGCAGATAATAAA 180
DB 333 GTGGATAGAGAACTGCAGCTGCTCAATAGCCTAGGGCTGAATTTTGTGCAGATAATAAA 392

QY 181 ATAAATCATTCATCTCTTTTGTGATTAATAAATTTCTTAAATGTAATTTTAGACTTCT 240
DB 393 ATAAATCATTCATCTCTTTTGTGATTAATAAATTTCTTAAATGTAATTTTAGACTTCT 452

QY 241 GT 242
DB 453 GT 454

RESULT 7

US-09-998-598-2534
; Sequence 2534, Application US/09998598
; Patent No. US20020150922A1
; GENERAL INFORMATION:

; APPLICANT: Stolk, John A.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Chenault, Ruth A.
; APPLICANT: Mesgher, Madelein Joy
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.561
; CURRENT APPLICATION NUMBER: US/09/998,598
; CURRENT FILING DATE: 2001-11-16
; NUMBER OF SEQ ID NOS: 2606

; SOFTWARE: Corixa Invention Disclosure Database
; SEQ ID NO 2534
; LENGTH: 524
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-998-598-2534

Query Match 100.0%; Score 242; DB 9; Length 524;
Best Local Similarity 100.0%; Pred. No. 6.4e-51; Indels 0; Gaps 0;
Matches 242; Conservative 0; Mismatches 0;
QY 1 GTTTATTCCTCCACAGACTCCGCCAGACACCTAGTCTGTATGAAAGCTGTGCTCCTTG 60
DB 233 GTTTATTCCTCCACAGACTCCGCCAGACACCTAGTCTGTATGAAAGCTGTGCTCCTTG 292
QY 61 TCCTAATATTCATATCAACAGACACCATCTCTGGCATTCACATTTAAATAATATGTGGAA 120
DB 293 TCCTAATATTCATATCAACAGACACCATCTCTGGCATTCACATTTAAATAATATGTGGAA 352
QY 121 GTGGATAGGAGAACTGCAGCTCTCAATAGCCTAGGCTGAATTTTGTGTCAGATAATAA 180
DB 353 GTGGATAGGAGAACTGCAGCTCTCAATAGCCTAGGCTGAATTTTGTGTCAGATAATAA 412
QY 181 ATAAATCATTCATCTCTTTTGTATATATAAATTTTCTAAATGTATTTAGACTTCT 240
DB 413 ATAAATCATTCATCTCTTTTGTATATATAAATTTTCTAAATGTATTTAGACTTCT 472
QY 241 GT 242
DB 473 GT 474

RESULT 8

US-10-106-698-2111
; Sequence 2111, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide
; FILE REFERENCE: PA005P1
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 2111
; LENGTH: 3109
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-106-698-2111

Query Match 100.0%; Score 242; DB 15; Length 3109;
Best Local Similarity 100.0%; Pred. No. 1.4e-50; Indels 0; Gaps 0;
Matches 242; Conservative 0; Mismatches 0;
QY 1 GTTTATTCCTCCACAGACTCCGCCAGACACCTAGTCTGTATGAAAGCTGTGCTCCTTG 60
DB 2479 GTTTATTCCTCCACAGACTCCGCCAGACACCTAGTCTGTATGAAAGCTGTGCTCCTTG 2538
QY 61 TCCTAATATTCATATCAACAGACACCATCTCTGGCATTCACATTTAAATAATATGTGGAA 120
DB 2539 TCCTAATATTCATATCAACAGACACCATCTCTGGCATTCACATTTAAATAATATGTGGAA 2598
QY 121 GTGGATAGGAGAACTGCAGCTCTCAATAGCCTAGGCTGAATTTTGTGTCAGATAATAA 180
DB 2599 GTGGATAGGAGAACTGCAGCTCTCAATAGCCTAGGCTGAATTTTGTGTCAGATAATAA 2658
QY 181 ATAAATCATTCATCTCTTTTGTATATATAAATTTTCTAAATGTATTTAGACTTCT 240

DB 2659 ATAAATCATTCATCTCTTTTGTATATATAAATTTTCTAAATGTATTTAGACTTCT 2718
QY 241 GT 242
DB 2719 GT 2720

RESULT 9

US-09-823-356-25
; Sequence 25, Application US/09823356
; Patent No. US20010025098A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Bandman, Olga
; APPLICANT: Lal, Preeti
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Yue, Henry
; APPLICANT: Corley, Neil C.
; APPLICANT: Guegler, Karl J.
; APPLICANT: Kaser, Matthew R.
; APPLICANT: Baughn, Marian R.
; APPLICANT: Shah, Purvi
; TITLE OF INVENTION: HUMAN MEMBRANE SPANNING PROTEINS
; FILE REFERENCE: PF-0489-1 CON
; CURRENT APPLICATION NUMBER: US/09/823,356
; CURRENT FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/039,307
; PRIOR FILING DATE: 1998 March 13
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PERL Program
; SEQ ID NO 25
; LENGTH: 3111
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20010025098A1 1737775
US-09-823-356-25

Query Match 100.0%; Score 242; DB 9; Length 3111;
Best Local Similarity 100.0%; Pred. No. 1.4e-50; Indels 0; Gaps 0;
Matches 242; Conservative 0; Mismatches 0;
QY 1 GTTTATTCCTCCACAGACTCCGCCAGACACCTAGTCTGTATGAAAGCTGTGCTCCTTG 60
DB 2625 GTTTATTCCTCCACAGACTCCGCCAGACACCTAGTCTGTATGAAAGCTGTGCTCCTTG 2684
QY 61 TCCTAATATTCATATCAACAGACACCATCTCTGGCATTCACATTTTAAATAATATGTGGAA 120
DB 2685 TCCTAATATTCATATCAACAGACACCATCTCTGGCATTCACATTTTAAATAATATGTGGAA 2744
QY 121 GTGGATAGGAGAACTGCAGCTGTCAATAGCCTAGGCTGAATTTTGTGTCAGATAATAA 180
DB 2745 GTGGATAGGAGAACTGCAGCTGTCAATAGCCTAGGCTGAATTTTGTGTCAGATAATAA 2804
QY 181 ATAAATCATTCATCTCTTTTGTATATATAAATTTTCTAAATGTATTTAGACTTCT 240
DB 2805 ATAAATCATTCATCTCTTTTGTATATATAAATTTTCTAAATGTATTTAGACTTCT 2864
QY 241 GT 242
DB 2865 GT 2866

RESULT 10

US-09-981-353-191
; Sequence 191, Application US/09981353
; Patent No. US20020160382A1
; GENERAL INFORMATION:
; APPLICANT: Lasek, Amy W.
; APPLICANT: Jones, David A.
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER


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FILE REFERENCE: PA-0038 US
CURRENT APPLICATION NUMBER: US/09/981,353
NUMBER OF SEQ ID NOS: 194
SOFTWARE: PERL Program
SEQ ID NO 191
LENGTH: 3111
TYPE: DNA
ORGANISM: Homo sapiens
NAME/KEY: misc feature
OTHER INFORMATION: Incyte ID No. US20020160382A1 1737775CB1
US-09-981-353-191

Query Match
Best Local Similarity 100.0%; Score 242; DB 9; Length 3111;
Matches 242; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTTTATTCCTCCACAGACTCCGCCAGAGACACCTAGTCTCTGATGAAACGCTGCTCCTTG 60
Db 2625 GTTTATTCCTCCACAGACTCCGCCAGAGACACCTAGTCTCTGATGAAACGCTGCTCCTTG 2684

QY 61 TCCTAATATTCATATCAACAGCACCATTCTCGCATTCACATTTTAAAAATTTATGTGGAA 120
Db 2685 TCCTAATATTCATATCAACAGCACCATTCTCGCATTCACATTTTAAAAATTTATGTGGAA 2744

QY 121 GTGGATAGAGAACTGCAGCTGTCAATAGCCTAGGCTGAAATTTTGTCCAGATAATAAA 180
Db 2745 GTGGATAGAGAACTGCAGCTGTCAATAGCCTAGGCTGAAATTTTGTCCAGATAATAAA 2804

QY 181 ATAAATCATTCATCTCTTTTGTGATTATATAAATTTCTTAAATGTATTTTAGACTTCCT 240
Db 2805 ATAAATCATTCATCTCTTTTGTGATTATATAAATTTCTTAAATGTATTTTAGACTTCCT 2864

QY 241 GT 242
Db 2865 GT 2866

Query Match
Best Local Similarity 100.0%; Score 242; DB 15; Length 3111;
Matches 242; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTTTATTCCTCCACAGACTCCGCCAGAGACACCTAGTCTCTGATGAAACGCTGCTCCTTG 60
Db 2625 GTTTATTCCTCCACAGACTCCGCCAGAGACACCTAGTCTCTGATGAAACGCTGCTCCTTG 2684

QY 61 TCCTAATATTCATATCAACAGCACCATTCTCGCATTCACATTTTAAAAATTTATGTGGAA 120
Db 2685 TCCTAATATTCATATCAACAGCACCATTCTCGCATTCACATTTTAAAAATTTATGTGGAA 2744
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QY 121 GTGGATAGAGAACTGCAGCTGTCAATAGCCTAGGCTGAAATTTTGTCCAGATAATAAA 180
Db 2745 GTGGATAGAGAACTGCAGCTGTCAATAGCCTAGGCTGAAATTTTGTCCAGATAATAAA 2804

QY 181 ATAAATCATTCATCTCTTTTGTGATTATATAAATTTCTTAAATGTATTTTAGACTTCCT 240
Db 2805 ATAAATCATTCATCTCTTTTGTGATTATATAAATTTCTTAAATGTATTTTAGACTTCCT 2864

QY 241 GT 242
Db 2865 GT 2866

RESULT 12
US-09-764-868-22
; Sequence 22, Application US/09764868
; Patent No. US20020168711A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PT232
; CURRENT APPLICATION NUMBER: US/09/764,868
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 1510
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 22
; LENGTH: 3267
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-868-22

Query Match
Best Local Similarity 100.0%; Score 242; DB 9; Length 3267;
Matches 242; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTTTATTCCTCCACAGACTCCGCCAGAGACACCTAGTCTCTGATGAAACGCTGCTCCTTG 60
Db 2626 GTTTATTCCTCCACAGACTCCGCCAGAGACACCTAGTCTCTGATGAAACGCTGCTCCTTG 2685

QY 61 TCCTAATATTCATATCAACAGCACCATTCTCGCATTCACATTTTAAAAATTTATGTGGAA 120
Db 2686 TCCTAATATTCATATCAACAGCACCATTCTCGCATTCACATTTTAAAAATTTATGTGGAA 2745

QY 121 GTGGATAGAGAACTGCAGCTGTCAATAGCCTAGGCTGAAATTTTGTCCAGATAATAAA 180
Db 2746 GTGGATAGAGAACTGCAGCTGTCAATAGCCTAGGCTGAAATTTTGTCCAGATAATAAA 2805

QY 181 ATAAATCATTCATCTCTTTTGTGATTATATAAATTTCTTAAATGTATTTTAGACTTCCT 240
Db 2806 ATAAATCATTCATCTCTTTTGTGATTATATAAATTTCTTAAATGTATTTTAGACTTCCT 2865

QY 241 GT 242
Db 2866 GT 2867

RESULT 13
US-10-055-412B-27
; Sequence 27, Application US/10055412B
; Publication No. US20030059861A1
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; FILE REFERENCE: 18617.0058
; CURRENT APPLICATION NUMBER: US/10/055,412B
; CURRENT FILING DATE: 2001-10-29
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 1510
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 22
; LENGTH: 3267
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-055-412B-27
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; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 27
; LENGTH: 3007
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-055-412B-27

Query Match 98.7%; Score 238.8; DB 15; Length 3007;
Best Local Similarity 99.2%; Pred. No. 8.6e-50;
Matches 240; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GTTATTCTCCACAGACTCCGCCAGAGACACTAGTCTCTGATGAAAGCTGTGCTCCTTG 60
DB 2638 GTTATTCTCCACAGACTCCGCCAGAGACACTAGTCTCTGATGAAAGCTGTGCTCCTTG 2697
QY 61 TCCTAATATTCATATCAACAGACACCATCTCTGGCATTACATTTTAAAAAATATGTGAA 120
DB 2698 TCCTAATATTCATATCAACAGACACCATCTCTGGCATTACATTTTAAAAAATATGTGAA 2757
QY 121 GTGGATAGGAGAACTGCAGCTGTCAATAGCCTAGGCTGAAATTTTGTGAGATAATAAA 180
DB 2758 GTGGATAGGAGAACTGCAGCTGTCAATAGCCTAGGCTGAAATTTTGTGAGATAATAAA 2817
QY 181 ATAAATCATTCATCTCTTTTGTGATTATAAAATTTTCTAAATGTAATTTAGACTTCT 240
DB 2818 ATAAATCATTCATCTCTTTTGTGATTATAAAATTTTCTAAATGTAATTTAGACTTCT 2877
QY 241 GT 242
DB 2878 GT 2879

RESULT 14

US-10-066-543-22/c
; Sequence 22, Application US/10066543
; Publication No. US20030087818A1
; GENERAL INFORMATION:

; APPLICANT: Jiang, Yuxiu
; APPLICANT: Pyle, Ruth A.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Indrias, Carol Yoseph
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather
; APPLICANT: Carter, Darrick
; APPLICANT: Fanger, Gary R.
; APPLICANT: Smith, Carole L.
; APPLICANT: Durham, Margarita
; APPLICANT: Stolk, John A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.563
; CURRENT APPLICATION NUMBER: US/10/066,543
; CURRENT FILING DATE: 2002-01-31
; NUMBER OF SEQ ID NOS: 3417
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 22
; LENGTH: 376
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-066-543-22

Query Match 95.0%; Score 230; DB 15; Length 376;
Best Local Similarity 100.0%; Pred. No. 5.7e-48;
Matches 230; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTTATTCTCCACAGACTCCGCCAGAGACACTAGTCTCTGATGAAAGCTGTGCTCCTTG 60
DB 297 GTTATTCTCCACAGACTCCGCCAGAGACACTAGTCTCTGATGAAAGCTGTGCTCCTTG 238
QY 61 TCCTAATATTCATATCAACAGACACCATCTCTGGCATTACATTTTAAAAAATATGTGAA 120
DB 237 TCCTAATATTCATATCAACAGACACCATCTCTGGCATTACATTTTAAAAAATATGTGAA 178

QY 121 GTGATAGGAGAACTGCAGCTGTCAATAGCCTAGGCTGAAATTTTGTGAGATAATAAA 180
DB 177 GTGATAGGAGAACTGCAGCTGTCAATAGCCTAGGCTGAAATTTTGTGAGATAATAAA 118
QY 181 ATAAATCATTCATCTCTTTTGTGATTATAAAATTTTCTAAATGTAATTT 230
DB 117 ATAAATCATTCATCTCTTTTGTGATTATAAAATTTTCTAAATGTAATTT 68

RESULT 15

US-10-066-543-2792
; Sequence 2792, Application US/10066543
; Publication No. US20030087818A1
; GENERAL INFORMATION:

; APPLICANT: Jiang, Yuxiu
; APPLICANT: Pyle, Ruth A.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Indrias, Carol Yoseph
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather
; APPLICANT: Carter, Darrick
; APPLICANT: Fanger, Gary R.
; APPLICANT: Smith, Carole L.
; APPLICANT: Durham, Margarita
; APPLICANT: Stolk, John A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.563
; CURRENT APPLICATION NUMBER: US/10/066,543
; CURRENT FILING DATE: 2002-01-31
; NUMBER OF SEQ ID NOS: 3417
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2792
; LENGTH: 481
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-066-543-2792

Query Match 95.0%; Score 230; DB 15; Length 481;
Best Local Similarity 99.6%; Pred. No. 6.3e-48;
Matches 241; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 1 GTTATTCTCCACAGACTCCGCCAGAGACACTAGTCTCTGATGAAAGCTGTGCTCCTTG 60
DB 213 GTTATTCTCCACAGACTCCGCCAGAGACACTAGTCTCTGATGAAAGCTGTGCTCCTTG 272
QY 61 TCCTAATATTCATATCAACAGACACCATCTCTGGCATTACATTTTAAAAAATATGTGAA 120
DB 273 TCCTAATATTCATATCAACAGACACCATCTCTGGCATTACATTTTAAAAAATATGTGAA 332
QY 121 GTGATAGGAGAACTGCAGCTGTCAATAGCCTAGGCTGAAATTTTGTGAGATAATAAA 180
DB 333 GTGATAGGAGAACTGCAGCTGTCAATAGCCTAGGCTGAAATTTTGTGAGATAATAAA 392
QY 181 ATAAATCATTCATCTCTTTTGTGATTATAAAATTTTCTAAATGTAATTTAGACTTCT 240
DB 393 ATAAATCATTCATCTCTTTTGTGATTATAAAATTTTCTAAATGTAATTTAGACTTCT 451
QY 241 GT 242
DB 452 GT 453

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Job time : 129.509 secs

GenCore version 5.1.6
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OM nucleic - protein search, using frame_plus_n2p model

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(without alignments)
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Title: US-09-049-696-16

Perfect score: 421

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Maximum Match 100%

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- 3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep.*
- 4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep.*
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- 10: /cgn2_6/ptodata/2/pubpaa/US09B_PUBCOMB.pep.*
- 11: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pep.*
- 12: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep.*
- 13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pep.*
- 14: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep.*
- 15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pep.*
- 16: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
- 17: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep.*
- 18: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description

1	278	66.0	552	14	US-10-106-698-4628	Sequence 4628, Ap
2	278	66.0	869	14	US-10-106-698-6388	Sequence 6388, Ap
3	278	66.0	914	9	US-09-823-356-8	Sequence 8, Appli
4	278	66.0	914	9	US-09-922-217-1066	Sequence 1066, Ap
5	278	66.0	914	9	US-09-833-263-1066	Sequence 1066, Ap
6	278	66.0	914	9	US-09-981-353-192	Sequence 192, App
7	278	66.0	914	11	US-09-833-245-2054	Sequence 2054, Ap
8	278	66.0	914	13	US-10-025-380-1066	Sequence 1066, Ap
9	278	66.0	914	14	US-10-055-412B-28	Sequence 28, Appl
10	278	66.0	914	14	US-10-270-595-6	Sequence 6, Appli
11	278	66.0	914	14	US-10-235-994-26	Sequence 26, Appl
12	278	66.0	914	14	US-10-060-255-42	Sequence 42, Appl
13	278	66.0	914	15	US-10-369-214-133	Sequence 133, App
14	278	66.0	925	9	US-09-764-868-635	Sequence 635, App
15	278	66.0	925	14	US-10-106-698-6248	Sequence 6248, Ap
16	179.5	42.6	913	14	US-10-270-595-2	Sequence 2, Appli
17	179.5	42.6	913	15	US-10-369-214-132	Sequence 132, App
18	116	27.6	228	12	US-09-988-292-9	Sequence 9, Appli
19	69.5	16.5	158	12	US-10-424-599-159410	Sequence 159410,
20	67	15.9	80	12	US-10-424-599-157008	Sequence 157008,
21	67	15.9	558	14	US-10-156-761-10602	Sequence 10602, A
22	64	15.2	674	13	US-10-086-464-14	Sequence 14, Appl
23	64	15.2	921	12	US-10-282-122A-78226	Sequence 78226, A
24	63	15.0	598	12	US-10-282-122A-60611	Sequence 60611, A
25	63	15.0	768	12	US-10-282-122A-51012	Sequence 51012, A
26	63	15.0	910	9	US-09-855-754-5	Sequence 5, Appli
27	63	15.0	910	14	US-10-227-353-2	Sequence 2, Appli
28	63	15.0	910	14	US-10-302-896-5	Sequence 5, Appli
29	63	15.0	910	14	US-10-312-732A-6	Sequence 6, Appli
30	63	15.0	911	9	US-09-855-754-4	Sequence 4, Appli
31	63	15.0	911	14	US-10-227-353-4	Sequence 4, Appli
32	63	15.0	911	14	US-10-302-896-4	Sequence 4, Appli
33	63	15.0	922	9	US-09-855-754-6	Sequence 6, Appli
34	63	15.0	922	14	US-10-227-353-6	Sequence 6, Appli
35	63	15.0	922	14	US-10-302-896-6	Sequence 6, Appli
36	62.5	14.8	296	12	US-10-424-599-197258	Sequence 197258,
37	62.5	14.8	314	12	US-10-425-114-71839	Sequence 71839, A
38	62.5	14.8	490	12	US-10-425-114-47211	Sequence 47211, A
39	62.5	14.8	505	9	US-09-977-269-17	Sequence 17, Appl
40	62.5	14.8	505	9	US-09-977-260-17	Sequence 17, Appl
41	62.5	14.8	505	10	US-09-977-261-17	Sequence 17, Appl
42	62.5	14.8	505	15	US-10-193-720-2	Sequence 2, Appli
43	62.5	14.8	526	12	US-10-276-633-3	Sequence 3, Appli
44	62.5	14.8	526	15	US-10-394-322A-31	Sequence 31, Appl
45	62	14.7	453	15	US-10-104-047-3019	Sequence 3019, Ap

ALIGNMENTS

RESULT 1

US-10-106-698-4628
; Sequence 4628, Application US/10106698
; Publication NO. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptides
; FILE REFERENCE: PA005P1
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 4628
; LENGTH: 552
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-106-698-4628

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Alignment Scores:
Pred. No.: 2,46e-26 Length: 552
Score: 278.00 Matches: 50
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 66.03% Indels: 0
DB: 14 Gaps: 0

US-09-049-696-16 (1-242) x US-10-106-698-4628 (1-552)

QY 2 TTTATTCCTCCACAGACTCCGCAGAGACACCTAGTCTGTGATGAACGTCCTCTCTGT 61
Db |||||||
QY 503 PheileProGlnThrProGluThrProSerProAspGluThrSerAlaProCys 522
Db |||||||
QY 62 CCTAATATTCATATCAACAGCACCATTCTGGCATTACATTTTAAAAATTATGTGGAG 121
Db |||||||
QY 523 ProAsnIleHisIleAsnSerThrIleProGlyIleHisIleLeuLysIleMetTrpLys 542
Db |||||||
QY 122 TGGATAGGAGAACTGCAGCTGTCAATAGCC 151
Db |||||||
QY 543 TrpIleGlyGluLeuGlnLeuSerIleAla 552
Db |||||||

RESULT 2
US-10-106-698-6388
; Sequence 6388, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide
; FILE REFERENCE: PA005P1
; CURRENT FILING DATE: 2002-03-27
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: Patent In Ver. 3.0
; SEQ ID NO 6388
; LENGTH: 869
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (14)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-10-106-698-6388

Alignment Scores:
Pred. No.: 2,59e-26 Length: 869
Score: 278.00 Matches: 869
Percent Similarity: 100.00% Conservative: 50
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 66.03% Indels: 0
DB: 14 Gaps: 0

US-09-049-696-16 (1-242) x US-10-106-698-6388 (1-869)

QY 2 TTTATTCCTCCACAGACTCCGCAGAGACACCTAGTCTGTGATGAACGTCCTCTCTGT 61
Db |||||||
QY 820 PheileProGlnThrProGluThrProSerProAspGluThrSerAlaProCys 839
Db |||||||
QY 62 CCTAATATTCATATCAACAGCACCATTCTGGCATTACATTTTAAAAATTATGTGGAG 121
Db |||||||
QY 840 ProAsnIleHisIleAsnSerThrIleProGlyIleHisIleLeuLysIleMetTrpLys 859
Db |||||||
QY 122 TGGATAGGAGAACTGCAGCTGTCAATAGCC 151
Db |||||||
QY 860 TrpIleGlyGluLeuGlnLeuSerIleAla 869
Db |||||||

RESULT 3
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```
US-09-823-356-8
; Sequence 8, Application US/09823356
; Patent No. US20010025098A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Bandman, Olga
; APPLICANT: Lal, Preeti
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Yue, Henry
; APPLICANT: Corley, Neil C.
; APPLICANT: Guegler, Karl J.
; APPLICANT: Kaser, Matthew R.
; APPLICANT: Baughn, Mariah R.
; APPLICANT: Shah, Purvi
; TITLE OF INVENTION: HUMAN MEMBRANE SPANNING PROTEINS
; FILE REFERENCE: PF-0489-1 CON
; CURRENT APPLICATION NUMBER: US/09/823,356
; CURRENT FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/039,307
; PRIOR FILING DATE: 1998 March 13
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PERL Program
; SEQ ID NO 8
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20010025098A1 1737775
US-09-823-356-8

Alignment Scores:
Pred. No.: 2,61e-26 Length: 914
Score: 278.00 Matches: 50
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 66.03% Indels: 0
DB: 9 Gaps: 0

US-09-049-696-16 (1-242) x US-09-823-356-8 (1-914)

QY 2 TTTATTCCTCCACAGACTCCGCAGAGACACCTAGTCTGTGATGAACGTCCTCTCTGT 61
Db |||||||
QY 865 PheileProGlnThrProGluThrProSerProAspGluThrSerAlaProCys 884
Db |||||||
QY 62 CCTAATATTCATATCAACAGCACCATTCTGGCATTACATTTTAAAAATTATGTGGAG 121
Db |||||||
QY 885 ProAsnIleHisIleAsnSerThrIleProGlyIleHisIleLeuLysIleMetTrpLys 904
Db |||||||
QY 122 TGGATAGGAGAACTGCAGCTGTCAATAGCC 151
Db |||||||
QY 905 TrpIleGlyGluLeuGlnLeuSerIleAla 914
Db |||||||

RESULT 4
US-09-922-217-1066
; Sequence 1066, Application US/09922217
; Patent No. US20020076414A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather
; APPLICANT: Benson, Darin R.
; APPLICANT: Meagher, Madeleine Joy
; APPLICANT: Stolk, John A.
; APPLICANT: Wang, Tongtong
; APPLICANT: Jiang, Yugui
; APPLICANT: Smith, Carole Lynn
; APPLICANT: King, Gordon E.
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; FILE REFERENCE: 210121.471C13
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; CURRENT APPLICATION NUMBER: US/09/922,217
; CURRENT FILING DATE: 2001-08-03
; NUMBER OF SEQ ID NOS: 1124
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1066
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-922-217-1066

Alignment Scores:
Pred. No.:      2 61e-26      Length:      914
Score:          278.00      Matches:      50
Percent Similarity: 100.00%      Conservative: 0
Best Local Similarity: 100.00%      Mismatches: 0
Query Match:      66.03%      Indels:    0
DB:              Gaps:      0

US-09-049-696-16 (1-242) x US-09-922-217-1066 (1-914)
QY 2 TTTATTCTCCACAGACTCGCAGAGACACCTAGTCTGATGAACGTCCTCTTGT 61
Db 865 PheileProGlnThrProGluThrProSerProAspGluThrSerAlaProCys 884
QY 62 CCTAATATTATATCAACAGCACCATTCTGGCATTTCACATTTTAAAAATTATGTGGAAG 121
Db 885 ProAsnIleHisIleAsnSerThrIleProGlyIleHisIleLeuIleMetTrpLys 904
QY 122 TGGATAGGAGAACTGCAGCTGTCAATAGCC 151
Db 905 TrpIleGlyGluLeuGlnLeuSerIleAla 914

RESULT 5
US-09-833-263-1066
; Sequence 1066, Application US/09833263
; Patent No. US20020110547A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; APPLICANT: Meagher, Madeleine J.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF COLON CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.471C12
; CURRENT APPLICATION NUMBER: US/09/833,263
; CURRENT FILING DATE: 2001-04-10
; NUMBER OF SEQ ID NOS: 1093
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1066
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-833-263-1066

Alignment Scores:
Pred. No.:      2 61e-26      Length:      914
Score:          278.00      Matches:      50
Percent Similarity: 100.00%      Conservative: 0
Best Local Similarity: 100.00%      Mismatches: 0
Query Match:      66.03%      Indels:    0
DB:              Gaps:      0

US-09-049-696-16 (1-242) x US-09-833-263-1066 (1-914)
QY 2 TTTATTCTCCACAGACTCGCAGAGACACCTAGTCTGATGAACGTCCTCTTGT 61
Db 865 PheileProGlnThrProGluThrProSerProAspGluThrSerAlaProCys 884
QY 62 CCTAATATTATATCAACAGCACCATTCTGGCATTTCACATTTTAAAAATTATGTGGAAG 121
Db 885 ProAsnIleHisIleAsnSerThrIleProGlyIleHisIleLeuIleMetTrpLys 904
QY 122 TGGATAGGAGAACTGCAGCTGTCAATAGCC 151
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Db 905 TrpIleGlyGluLeuGlnLeuSerIleAla 914

RESULT 6
US-09-981-353-192
; Sequence 192, Application US/09981353
; Patent No. US20020160382A1
; GENERAL INFORMATION:
; APPLICANT: Lasek, Amy W.
; APPLICANT: Jones, David A.
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0038 US
; CURRENT APPLICATION NUMBER: US/09/981,353
; CURRENT FILING DATE: 2001-10-11
; NUMBER OF SEQ ID NOS: 194
; SOFTWARE: PERL Program
; SEQ ID NO 192
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20020160382A1 1737775CD1
US-09-981-353-192

Alignment Scores:
Pred. No.:      2 61e-26      Length:      914
Score:          278.00      Matches:      50
Percent Similarity: 100.00%      Conservative: 0
Best Local Similarity: 100.00%      Mismatches: 0
Query Match:      66.03%      Indels:    0
DB:              Gaps:      0

US-09-049-696-16 (1-242) x US-09-981-353-192 (1-914)
QY 2 TTTATTCTCCACAGACTCGCAGAGACACCTAGTCTGATGAACGTCCTCTTGT 61
Db 865 PheileProGlnThrProGluThrProSerProAspGluThrSerAlaProCys 884
QY 62 CCTAATATTATATCAACAGCACCATTCTGGCATTTCACATTTTAAAAATTATGTGGAAG 121
Db 885 ProAsnIleHisIleAsnSerThrIleProGlyIleHisIleLeuIleMetTrpLys 904
QY 122 TGGATAGGAGAACTGCAGCTGTCAATAGCC 151
Db 905 TrpIleGlyGluLeuGlnLeuSerIleAla 914

RESULT 7
US-09-833-245-2054
; Sequence 2054, Application US/09833245
; Publication No. US20040010134A1
; GENERAL INFORMATION:
; APPLICANT: Human Genome Sciences, Inc.
; TITLE OF INVENTION: Albumin Fusion Proteins
; FILE REFERENCE: PF546PCT
; CURRENT APPLICATION NUMBER: US/09/833,245
; CURRENT FILING DATE: 2001-04-12
; PRIOR APPLICATION NUMBER: 60/229, 358
; PRIOR FILING DATE: 2000-04-12
; PRIOR APPLICATION NUMBER: 60/256, 931
; PRIOR FILING DATE: 2000-12-21
; PRIOR APPLICATION NUMBER: 60/199, 384
; PRIOR FILING DATE: 2000-04-25
; NUMBER OF SEQ ID NOS: 2267
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2054
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-833-245-2054

Alignment Scores:
Pred. No.:      2 61e-26      Length:      914
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Score: 278.00 Matches: 50
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 66.03% Indels: 0
DB: 11 Gaps: 0

US-09-049-696-16 (1-242) x US-09-833-245-2054 (1-914)

QY 2 TTTATTCTCCACAGACTCCGACAGACACCTAGTCTGTGAAACGTCCTCTCTGT 61
DB 865 PheilleProGlnThrProProGluThrProSerProAspGluThrSerAlaProCys 884
QY 62 CCTAATATTCATATCAACAGACACCATCTCTGCATTACATTTAAAAATTATGCGAAG 121
DB 885 ProAsnIleHisIleAsnSerThrIleProGlyIleHisIleLeuLysIleMetTrpLys 904
QY 122 TGGATAGGAGAACTGCAGTGTCAATAGCC 151
DB 905 TrpIleGlyGluLeuGlnLeuSerIleAla 914

RESULT 8

US-10-025-380-1066
; Sequence 1066, Application US/10025380
; Publication No. US20020182191A1

GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather
; APPLICANT: Benson, Darin R.
; APPLICANT: Meagher, Madeleine Joy
; APPLICANT: Stolk, John A.
; APPLICANT: Wang, Tongtong
; APPLICANT: Jiang, Yugu
; APPLICANT: Smith, Carole L.
; APPLICANT: King, Gordon E.
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; APPLICANT: Skeiky, Yasir A. W.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Vedvick Thomas S.
; APPLICANT: Carter, Darick
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; TITLE OF INVENTION: OF COLON CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.471C14
; CURRENT APPLICATION NUMBER: US/10/025,380
; NUMBER OF SEQ ID NOS: 1129
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1066
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens

US-10-025-380-1066

Alignment Scores:
Pred. No.: 2 61e-26 Length: 914
Score: 278.00 Matches: 50
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 66.03% Indels: 0
DB: 13 Gaps: 0

US-09-049-696-16 (1-242) x US-10-025-380-1066 (1-914)

QY 2 TTTATTCTCCACAGACTCCGACAGACACCTAGTCTGTGAAACGTCCTCTCTGT 61
DB 865 PheilleProGlnThrProProGluThrProSerProAspGluThrSerAlaProCys 884
QY 62 CCTAATATTCATATCAACAGACACCATCTCTGCATTACATTTAAAAATTATGCGAAG 121
DB 885 ProAsnIleHisIleAsnSerThrIleProGlyIleHisIleLeuLysIleMetTrpLys 904
QY 122 TGGATAGGAGAACTGCAGTGTCAATAGCC 151

DB 905 TrpIleGlyGluLeuGlnLeuSerIleAla 914

RESULT 9

US-10-055-412B-28
; Sequence 28, Application US/10055412B
; Publication No. US20030059861A1

GENERAL INFORMATION:

; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0058
; CURRENT APPLICATION NUMBER: US/10/055,412B
; CURRENT FILING DATE: 2001-10-29
; PRIOR APPLICATION NUMBER: US/09/193,562
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 28
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens

US-10-055-412B-28

Alignment Scores:

Pred. No.: 2 61e-26 Length: 914
Score: 278.00 Matches: 50
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 66.03% Indels: 0
DB: 14 Gaps: 0

US-09-049-696-16 (1-242) x US-10-055-412B-28 (1-914)

QY 2 TTTATTCTCCACAGACTCCGACAGACACCTAGTCTGTGAAACGTCCTCTCTGT 61
DB 865 PheilleProGlnThrProProGluThrProSerProAspGluThrSerAlaProCys 884
QY 62 CCTAATATTCATATCAACAGACACCATCTCTGCATTACATTTAAAAATTATGCGAAG 121
DB 885 ProAsnIleHisIleAsnSerThrIleProGlyIleHisIleLeuLysIleMetTrpLys 904
QY 122 TGGATAGGAGAACTGCAGTGTCAATAGCC 151
DB 905 TrpIleGlyGluLeuGlnLeuSerIleAla 914

RESULT 10

US-10-270-595-6
; Sequence 6, Application US/10270595
; Publication No. US20030078409A1

GENERAL INFORMATION:

; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related

; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/10/270,595
; CURRENT FILING DATE: 2002-10-16
; PRIOR APPLICATION NUMBER: US/09/623,624
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23


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; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 133
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (1)..(914)
; OTHER INFORMATION: /note="Human CLCA1"
US-10-369-214-133

Alignment Scores:
Pred. No.: 2,61e-26 Length: 914
Score: 278.00 Matches: 50
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 66.03% Indels: 0
DB: 15 Gaps: 0

US-09-049-696-16 (1-242) x US-10-369-214-133 (1-914)
QY 2 TTTATTCTCCACAGACTCCGCGACAGACACCTAGTCTCTGATGAACGTCCTCTTGT 61
Db 865 PheIleProGlnThrProGluThrProSerProAspGluThrSerAlaProCys 884
QY 62 CCTAATATTTCATATCAACAGCACCATTCTCTGGCATTTCACATTTTAAAAAATTATGTGGAG 121
Db 895 ProAsnIleHisIleAsnSerThrIleProGlyIleHisIleLeuIleMetTrpLys 904
QY 122 TGGATAGGAGAACTGCAGCTGTCAATAGCC 151
Db 905 TrpIleGlyGluLeuGlnLeuSerIleAla 914

RESULT 14
US-09-764-868-635
; Sequence 635, Application US/09764868
; Patent No. US20020168711A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PT232
; CURRENT APPLICATION NUMBER: US/09/764,868
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 1510
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 635
; LENGTH: 925
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-764-868-635

Alignment Scores:
Pred. No.: 2,61e-26 Length: 925
Score: 278.00 Matches: 50
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 66.03% Indels: 0
DB: 9 Gaps: 0

US-09-049-696-16 (1-242) x US-09-764-868-635 (1-925)
QY 2 TTTATTCTCCACAGACTCCGCGACAGACACCTAGTCTCTGATGAACGTCCTCTTGT 61
Db 876 PheIleProGlnThrProGluThrProSerProAspGluThrSerAlaProCys 895
QY 62 CCTAATATTTCATATCAACAGCACCATTCTCTGGCATTTCACATTTTAAAAAATTATGTGGAG 121
Db 896 ProAsnIleHisIleAsnSerThrIleProGlyIleHisIleLeuIleMetTrpLys 915
QY 122 TGGATAGGAGAACTGCAGCTGTCAATAGCC 151
Db 916 TrpIleGlyGluLeuGlnLeuSerIleAla 925
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RESULT 15
US-10-106-698-6248
; Sequence 6248, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptides
; FILE REFERENCE: PA005P1
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 6248
; LENGTH: 925
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-106-698-6248
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Alignment Scores:
Pred. No.: 2,61e-26 Length: 925
Score: 278.00 Matches: 50
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 66.03% Indels: 0
DB: 14 Gaps: 0
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QY 2 TTTATTCTCCACAGACTCCGCGACAGACACCTAGTCTCTGATGAACGTCCTCTTGT 61
Db 876 PheIleProGlnThrProGluThrProSerProAspGluThrSerAlaProCys 895
QY 62 CCTAATATTTCATATCAACAGCACCATTCTCTGGCATTTCACATTTTAAAAAATTATGTGGAG 121
Db 896 ProAsnIleHisIleAsnSerThrIleProGlyIleHisIleLeuIleMetTrpLys 915
QY 122 TGGATAGGAGAACTGCAGCTGTCAATAGCC 151
Db 916 TrpIleGlyGluLeuGlnLeuSerIleAla 925
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Search completed: April 21, 2004, 16:39:24
Job time : 37.8409 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: April 24, 2004, 00:33:00 ; Search time 22.2447 Seconds

(without alignments)
6037.311 Million cell updates/sec

Title: US-09-049-696-16

Perfect score: 242

Sequence: 1 GTTATTCTCCACAGACTC.....ATGTATTAGACTTCCTGT 242

Scoring table: IDENTITY NUC

Gapop 10_0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA.*
1: /cgn2_6/prodata/2/ina/5A_COMB.seq.*
2: /cgn2_6/prodata/2/ina/5B_COMB.seq.*
3: /cgn2_6/prodata/2/ina/6A_COMB.seq.*
4: /cgn2_6/prodata/2/ina/6B_COMB.seq.*
5: /cgn2_6/prodata/2/ina/PCTUS_COMB.seq.*
6: /cgn2_6/prodata/2/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	238.8	98.7	3007	4	US-09-193-562D-27
2	197	81.4	1512	4	US-09-016-434-850
3	166.8	68.9	878	1	US-08-469-667-8
4	166.8	68.9	878	4	US-09-224-110-8
5	166.8	68.9	878	5	PCT-US95-07289-8
6	154	63.6	2745	4	US-09-623-624-5
7	92	38.0	2931	4	US-09-623-624-1
8	36.8	15.2	1664976	4	US-08-916-421B-1
9	34.6	14.3	6669	4	US-10-204-708-6
10	33.8	14.0	805	1	US-08-118-469A-6
11	33.8	14.0	805	1	US-08-909-119-6
12	33.8	14.0	6326	4	US-10-204-708-58
13	33.8	14.0	640881	4	US-09-790-988-1
14	33.6	13.9	640881	4	US-09-790-988-1
15	33.4	13.8	642	4	US-09-543-681A-631
16	33.4	13.8	34185	4	US-09-545-481-3
17	33.2	13.7	2520	2	US-08-454-5570-50
18	33.2	13.7	2520	2	US-08-340-426D-50
19	33.2	13.7	2520	2	US-08-450-673C-50
20	33.2	13.7	2520	5	PCT-US95-17111A-50
21	33.2	13.7	10684	3	US-08-618-100B-3
22	33.2	13.7	1664976	4	US-08-916-421B-1
23	33	13.6	6583	4	US-10-204-708-25
24	32.8	13.6	6317	4	US-10-204-708-11
25	32.6	13.5	19124	2	US-08-487-826B-13
26	32.2	13.3	11049	4	US-10-204-708-23
27	32	13.2	5304	4	US-09-023-655-664

28	32	13.2	8607	4	US-10-204-708-71	Sequence 71, Appl
29	32	13.2	319608	4	US-09-539-333D-1	Sequence 1, Appl
30	32	13.2	319608	4	US-09-679-409-1	Sequence 1, Appl
31	31.8	13.1	5152	4	US-10-204-708-73	Sequence 73, Appl
c	32	13.1	6519	1	US-08-233-008A-7	Sequence 7, Appl
33	31.6	13.0	646	4	US-09-288-143-22	Sequence 22, Appl
34	31.4	13.0	1614	4	US-09-328-352-1749	Sequence 1749, Ap
c	35	13.4	8093	4	US-10-204-708-32	Sequence 32, Appl
36	31.4	13.0	96109	4	US-09-596-002-35	Sequence 35, Appl
c	37	13.2	2430	4	US-09-620-312D-176	Sequence 176, App
38	31.2	12.9	6070	4	US-10-204-708-10	Sequence 10, Appl
c	39	12.8	552	4	US-09-134-001C-2261	Sequence 2261, Ap
40	31	12.8	631	4	US-08-956-171E-692	Sequence 692, App
41	31	12.8	2692	4	US-09-453-702B-215	Sequence 215, App
c	42	12.8	1230025	4	US-09-198-452A-1	Sequence 1, Appl
c	43	12.7	198	4	US-09-107-532A-2820	Sequence 2820, Ap
44	30.8	12.7	6156	4	US-10-204-708-59	Sequence 59, Appl
45	30.8	12.7	9347	4	US-10-204-708-36	Sequence 36, Appl

ALIGNMENTS

RESULT 1

US-09-193-562D-27
; Sequence 27, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedict U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; FILE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; CURRENT FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 27
; LENGTH: 3007
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-193-562D-27

Query Match	98.7%	Score 238.8;	DB 4;	Length 3007;
Best Local Similarity	99.2%;	Pred. No. 2.9e-60;		
Matches 240;	Conservative 0;	Mismatches 2;	Indels 0;	Gaps 0;
QY	1	GTATTATCTCCACAGACTCCGCCGAGACACCTAGTCTCTGATGAAACGTCCTCTCTTG	60	
DB	2638	GTATTATCTCCACAGACTCCGCCGAGACACCTAGTCTCTGATGAAACGTCCTCTCTTG	2697	
QY	61	TCCTAATATTCATATCAACAGCACCATTCTCGCATTCACATTTTAAAAAATTATGTGGAA	120	
DB	2698	TCCTAATATTCATATCAACAGCACCATTCTCGCATTCACATTTTAAAAAATTATGTGGAA	2757	
QY	121	GTGGATAGGAGAACTGCAGCTCTCAATAGCTAGGCTGAATTTTGTGAGATAATAA	180	
DB	2758	GTGGATAGGAGAACTGCAGCTCTCAATAGCTAGGCTGAATTTTGTGAGATAATAA	2817	
QY	181	ATAAATCATTCATCTCTTTTGTGATATAAATTTTCTAAAATGTATTTAGACTTCCT	240	
DB	2818	ATAAATCATTCATCTCTTTTGTGATATAAATTTTCTAAAATGTATTTAGACTTCCT	2877	
QY	241	GT 242		
DB	2878	GT 2879		

RESULT 2

US-09-016-434-850
; Sequence 850, Application US/09016434
; Patent No. 6500938
; GENERAL INFORMATION:

APPLICANT: Janice Au-Young
APPLICANT: Jeffrey J. Seilhamer
TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING
TITLE OF INVENTION: PATHWAY GENE EXPRESSION
NUMBER OF SEQUENCES: 1490
CORRESPONDENCE ADDRESS:
ADDRESS: INCYTE PHARMACEUTICALS, INC.
STREET: 3174 PORTER DRIVE
CITY: PALO ALTO
STATE: CALIFORNIA
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/016,434
FILING DATE: HEREWITH
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Zeller, Karen J.
REGISTRATION NUMBER: 37,071
REFERENCE/DOCKET NUMBER: PA-0002 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 855-0555
TELEFAX: (650) 845-4166
INFORMATION FOR SEQ ID NO: 850:
SEQUENCE CHARACTERISTICS:
LENGTH: 1512 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: COLNNOT01
CLONE: 608819
US-09-016-434-850

Query Match 81.4%; Score 197; DB 4; Length 1512;
Best Local Similarity 100.0%; Pred. No. 3.5e-48; Mismatches 0; Indels 0; Gaps 0;
Matches 197; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GTTATTCTCCACAGACTCCGCCAGACACCTAGTCTCTGATGAAACGCTCTGCTCCTTG 60
DB 1316 GTTATTCTCCACAGACTCCGCCAGACACCTAGTCTCTGATGAAACGCTCTGCTCCTTG 1375
QY 61 TCCTAATATTCATATCAACAGACACCATTCCTGGCATTCACATTTTAAAAAATTATGTGGA 120
DB 1376 TCCTAATATTCATATCAACAGACACCATTCCTGGCATTCACATTTTAAAAAATTATGTGGA 1435
QY 121 GTGGATAGGAGACTCCAGCTCTCAATAGCCTAGGCTGAATTTTGTGAGATAATAA 180
DB 1436 GTGGATAGGAGACTCCAGCTCTCAATAGCCTAGGCTGAATTTTGTGAGATAATAA 1495
QY 181 ATAAATCATTATCCTT 197
DB 1496 ATAAATCATTATCCTT 1512

RESULT 3
US-08-469-667-8
Sequence 8, Application US/08469667
Patent No. 5733748
GENERAL INFORMATION:
APPLICANT: Yu, Guo-Liang
APPLICANT: Rosen, Craig
TITLE OF INVENTION: Colon Specific Genes and Proteins
NUMBER OF SEQUENCES: 24

CORRESPONDENCE ADDRESS:
ADDRESS: Carella, Byrne, Bain, Gilfillan, Cecchi,
ADDRESS: Stewart & Olstein
STREET: 6 Becker Farm Road
CITY: Roseland
STATE: NJ
COUNTRY: USA
ZIP: 07068-1739
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/469,667
FILING DATE: 06-JUN-1995
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Ferraro, Gregory D.
REGISTRATION NUMBER: 36,134
REFERENCE/DOCKET NUMBER: 325800-435
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-994-1700
TELEFAX: 201-994-1744
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 878 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 2..685
US-08-469-667-8
Query Match 68.9%; Score 166.8; DB 1; Length 878;
Best Local Similarity 91.6%; Pred. No. 1.9e-39;
Matches 196; Conservative 1; Mismatches 15; Indels 2; Gaps 2;
QY 1 GTTATTCTCCACAGACTCCGCCAGACACCTAGTCTCTGATGAAACGCTCTGCTCCTTG 60
DB 625 GTTATTCTCCACAGACTCCGCCAGACACCTAGTCTCTGATGAAACGCTCTGCTCCTTG 684
QY 61 T-CCTAATATTCATATCAACAGACACCATTCCTGGCATTCACATTTTAAAAAATTATGTGGA 119
DB 685 TGCCTAATATTCATATCAACAGACACCATTCCTGGCATTCACATTTTAAAAAATTATGTGGA 744
QY 120 AGTGATAGGAGACTCGAGCTGTCAATAGCTAGGCTGAATTTTGTGAGATAATAA 179
DB 745 AGTGATAGGAGACTCGAGCTGTCAATAGCTAGGCTGAATTTTGTGAGATAATAA 803
QY 180 AATAATCATTATCCTTTTTTTTGTGATATAAAA 213
DB 804 AATAATCATTATCCTTTTTTTTGTGATATAAAA 837
RESULT 4
US-09-224-110-8
Sequence 8, Application US/09224110
Patent No. 6337195
GENERAL INFORMATION:
APPLICANT: Yu, Guo-Liang
APPLICANT: Rosen, Craig
TITLE OF INVENTION: Colon Specific Genes and Proteins
NUMBER OF SEQUENCES: 24
CORRESPONDENCE ADDRESS:
ADDRESS: Carella, Byrne, Bain, Gilfillan, Cecchi,
ADDRESS: Stewart & Olstein
STREET: 6 Becker Farm Road
CITY: Roseland
STATE: NJ
COUNTRY: USA

RESULT 6
US-09-623-624-5
; Sequence 5, Application US/09623624
; Patent No. 6576434
; GENERAL INFORMATION:
; APPLICANT: Maganin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/09/623,624
; CURRENT FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,472
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23

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; PRIOR APPLICATION NUMBER: US 08/702,105
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,110
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,168
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/980,872
; PRIOR FILING DATE: 1997-12-01
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 2745
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(2742)
US-09-623-624-5

Query Match      63.6%; Score 154; DB 4; Length 2745;
Best Local Similarity 100.0%; Pred. No. 1.5e-35;
Matches 154; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1  GTTATTCTCCACAGACTCCGCCAGACACCTAGTCTGTGTAAGAACTGCTGCTCCTTG 60
Db      2592  GTTATTCTCCACAGACTCCGCCAGACACCTAGTCTGTGTAAGAACTGCTGCTCCTTG 2651

QY      61  TCTTAATATTCATATCAACAGACACCACTCTCGCATTCACATTTAAATAATATGTGGAA 120
Db      2652  TCTTAATATTCATATCAACAGACACCACTCTCGCATTCACATTTAAATAATATGTGGAA 2711

QY      121  GTGGATAGGAGAACTGCAGCTGTCAATAGCCTAG 154
Db      2712  GTGGATAGGAGAACTGCAGCTGTCAATAGCCTAG 2745
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RESULT 7
US-09-623-624-1
; Sequence 1, Application US/09623624
; Patent No. 6576434
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/09/623,624
; CURRENT FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,472
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,110
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,168
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/980,872
; PRIOR FILING DATE: 1997-12-01
; NUMBER OF SEQ ID NOS: 18
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; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 2931
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (8)..(2746)
US-09-623-624-1

Query Match      38.0%; Score 92; DB 4; Length 2931;
Best Local Similarity 70.0%; Pred. No. 2e-17;
Matches 156; Conservative 0; Mismatches 57; Indels 10; Gaps 2;

QY      21  CGCCAGAGACACCTAGTCTGATGAACGTCTGCTCTTCCTTAATATTCATATCAACA 80
Db      2610  CTCAGAGCGGCCCATTCGCCGAAGACTCACTCCCCCTTGCTCGACATCAGCATCAACA 2669

QY      81  GCACCATTCCTGGCATTTCACATTTTAAAAAATATGTGGAAGTGGATAGGAACTGCAGC 140
Db      2670  GCACCATTCCTGGCATTTCACATTCCTGCTGAAGATAATGTGGAAGTGGCTAGGGAAATGCAGG 2729

QY      141  TGTCAATAGCCTAGGGCTGAATTTTGTGCAGATAATAAATAATCAATTCATCCTTTT 200
Db      2730  TGACACTAGGTTTGCACTGAATTTT-----CAGGCAAGAAATCAACCAGTCATTCC 2780

QY      201  TTGATTATTAATTTTCT-AAAATGTTATTTAGACTTCCTGT 242
Db      2781  TTCTACTGGAGAAATTTCTAAAAATGTACTTTAGACTTCCTGT 2823
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RESULT 8
US-08-916-421B-1/c
; Sequence 1, Application US/08916421B
; Patent No. 6503729
; GENERAL INFORMATION:
; APPLICANT: Bult et al.
; TITLE OF INVENTION: Complete Genome Sequence of the Methanogenic Archaeon, Methanococcus
; TITLE OF INVENTION: jannaschii
; FILE REFERENCE: PB275
; CURRENT APPLICATION NUMBER: US/08/916,421B
; CURRENT FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: US 60/024,428
; PRIOR FILING DATE: 1996-08-22
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 1664976
; TYPE: DNA
; ORGANISM: Methanococcus jannaschii
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (28222)..(28222)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (28257)..(28258)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (84773)..(84773)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (84808)..(84808)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (84812)..(84812)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (98120)..(98120)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (98159)..(98159)
; OTHER INFORMATION: n equals a, t, c, or g
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; NAME/KEY: misc feature
; LOCATION: (98239)..(98239)
; OTHER INFORMATION: n equals a, t, c, or g
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; LOCATION: (98256)..(98266)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (98343)..(98343)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (10398)..(10398)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (148948)..(148948)
; OTHER INFORMATION: n equals a, t, c, or g
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; LOCATION: (163385)..(163385)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (191989)..(191989)
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; LOCATION: (191995)..(191995)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (231980)..(231980)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (234187)..(234187)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (234220)..(234220)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (234814)..(234814)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (309398)..(309398)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (309418)..(309418)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (312837)..(312837)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (312993)..(312993)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (319226)..(319226)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (359167)..(359167)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (559241)..(559241)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (600992)..(600992)
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; NAME/KEY: misc feature
; LOCATION: (622708)..(622708)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (657081)..(657081)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (657203)..(657203)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (674435)..(674435)
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; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (713652)..(713652)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (741684)..(741684)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (779455)..(779455)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (779676)..(779676)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (855539)..(855539)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (871619)..(871619)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (1084830)..(1084830)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (1096846)..(1096846)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (1119881)..(1119881)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (1130881)..(1130881)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (1310988)..(1310988)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (1313224)..(1313224)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (1349473)..(1349473)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (1349491)..(1349491)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (1470091)..(1470091)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (1569020)..(1569020)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (1602912)..(1602912)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (1603734)..(1603734)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (1637998)..(1637998)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (1664854)..(1664854)
; OTHER INFORMATION: n equals a, t, c, or g
; US-08-916-421B-1
; Query Match 15.2%; Score 36.8; DB 4; Length 1664976;
; Best Local Similarity 55.5%; Pred. No. 2.7;
; Matches 71; Conservative 0; Mismatches 57; Indels 0; Gaps 0;
; QY 112 TATGTGGAGTGGATAGGAGAACTGCAGCTGCAATAGCTAGGGCTGAATTTTCTCAG 171
; Db 38254 TATATATAGATTATATATAGATTATGATTTTATGAGTATTTTGAAGTATTTTATG 38195
; QY 172 ATAAATAAATAAATCAATTCATCCCTTTTGTGATTATAAAATTTTCTAAATGATTTT 231
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Db 38194 AGACATAAAATAATAATAATATTATTGTTTATAACTCTTCAAAATTCCTTTTA 38135
QY 232 AGACTTCC 239
Db 38134 AAACATTC 38127

RESULT 9

US-10-204-708-6
; Sequence 6, Application US/10204708
; Patent No. 6677731
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with DNA Replication
; FILE REFERENCE: 5013.1012
; CURRENT APPLICATION NUMBER: US/10/204,708
; CURRENT FILING DATE: 2003-05-06
; PRIOR APPLICATION NUMBER: PCT/EP01/03971
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: DE 10019058.8
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10032529.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 98
; SEQ ID NO 6669
; LENGTH: 6669
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-204-708-6

Query Match 14.3%; Score 34.6; DB 4; Length 6669;
Best Local Similarity 64.2%; Pred. No. 1.5;
Matches 52; Conservative 0; Mismatches 29; Indels 0; Gaps 0;
QY 162 TTTTGTGAGATAAATAAATCAATTCATCCCTTTTGTGATATATAAATTTCTAA 221
Db 3775 TTTTATTAAATGGATAAATAAATCGTTAGTATGTTTATTTTAAATTTTGTGA 3834
QY 222 AATGATTTTAGACTTCCTGT 242
Db 3835 TTTATATTATTATTATTGT 3855

RESULT 10

US-08-118-469A-6
; Sequence 6, Application US/08118469A
; Patent No. 5656451
; GENERAL INFORMATION:
; APPLICANT: Flavell, Richard A.
; APPLICANT: Fikrig, Erol
; APPLICANT: Lam, Tuan T.
; APPLICANT: Kantor, Fred S.
; APPLICANT: Barthold, Stephen W.
; TITLE OF INVENTION: NOVEL B. BURGDOFFER POLYPEPTIDES
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: c/o FISH & NEAVE
; STREET: 1251 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10022
; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/118,469A
; FILING DATE: 08-SEP-1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/099,757
; FILING DATE: 30-JUL-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Haley Jr., James F.
; REGISTRATION NUMBER: 27,794
; REFERENCE/DOCKET NUMBER: YU-102CIP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 596-9000
; TELEFAX: (212) 596-9090
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 805 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 130..711
US-08-118-469A-6

Query Match 14.0%; Score 33.8; DB 1; Length 805;

Best Local Similarity 49.7%; Pred. No. 1.1;
Matches 86; Conservative 0; Mismatches 87; Indels 0; Gaps 0;
QY 70 TCATATCAACAGCACCATTCCTGCGCATTCACATTTTAAATAATATGTGGAAGTGGATAGG 129
Db 1 TCATATTAAAGACCTCTGTTTCATTTTAAATTTTAAAGTGTGTA 60
QY 130 AGAAGTGCAGCTGCTCAATAGCTAGGCTGAAATTTTGTGAGATAAATAAATAATCAT 189
Db 61 AAATAAATATTATTATTGTTAAACTTACTTTTAAATATGATTAATAAATAAATAAGG 120
QY 190 TCATCCTTTTTCATTTATAAATTTTCTAAATGTTTATAGACTTCCTGT 242
Db 121 AGAATTTTATGATAAATAATGGTTTTTTTAAATAACTATTGTTCATTCCTTT 173

RESULT 11

US-08-909-119-6
; Sequence 6, Application US/08909119
; Patent No. 5807685
; GENERAL INFORMATION:
; APPLICANT: Flavell, Richard A.
; APPLICANT: Fikrig, Erol
; APPLICANT: Lam, Tuan T.
; APPLICANT: Kantor, Fred S.
; APPLICANT: Barthold, Stephen W.
; TITLE OF INVENTION: NOVEL B. BURGDOFFER POLYPEPTIDES
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: c/o FISH & NEAVE
; STREET: 1251 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10022
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25


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;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/909,119
; FILING DATE: 11-AUG-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/118,469
; FILING DATE: 08-SEP-1993
; APPLICATION NUMBER: US 08/099,757
; FILING DATE: 30-JUL-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Haley Jr., James F.
; REGISTRATION NUMBER: 27,794
; REFERENCE/DOCKET NUMBER: YU-102CIP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 596-9000
; TELEFAX: (212) 596-9090
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 805 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 130..711
; US-08-909-119-6

Query Match 14.0%; Score 33.8; DB 1; Length 805;
Best Local Similarity 49.7%; Pred. No. 1.1;
Matches 86; Conservative 0; Mismatches 87; Indels 0; Gaps 0;

QY 70 TCATATCAACAGCACCATCTCGGCAATTCACATTTTAAATAATATCTGGAAGTGGATAGG 129
Db 1 TCATATTAATAAGACCTCTCGTTTCATTTTAAACATTTTAAATTTTAAAGTGTGACA 60

QY 130 AGAAGTCAGCTGTCAATAGCCCTAGGCTGGAATTTTGTGCAGATAAATAAATAATCAT 189
Db 61 AATAAATTTATTTATGTAACTTACTTTTAAATTTTAAATATGATTAATAATTAAGG 120

QY 190 TCATCCTTTTGTGATTAATAAATTTCTTAAATGATTTTATAGCTTCCTGT 242
Db 121 AGAATTTTATCTATAAATAATGTTTATTTTAAACACTATTTGTCATTTGCTTTT 173

RESULT 12
US-10-204-708-58
; Sequence 58, Application US/10204708
; Patent No. 667731
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with DNA Replication
; TITLE OF INVENTION: by Assessing DNA Methylation
; FILE REFERENCE: 5013.1012
; CURRENT APPLICATION NUMBER: US/10/204,708
; CURRENT FILING DATE: 2003-05-06
; PRIOR APPLICATION NUMBER: PCT/EP01/03971
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: DE 10019058.8
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10032529.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 98
; SEQ ID NO 58
; LENGTH: 6326

;
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
; US-10-204-708-58

Query Match 14.0%; Score 33.8; DB 4; Length 6326;
Best Local Similarity 64.9%; Pred. No. 2.5;
Matches 50; Conservative 0; Mismatches 27; Indels 0; Gaps 0;

QY 158 TGAATTTTGTGCAGATAAATAAATCAATTCATCTCTTTTGTGATTATAAAATTTT 217
Db 2260 TTAATATTTTGTAGTTAGTAAGAAATAATATATGAATTTTGTGTTTATTAGTAT 2319

QY 218 CTAAATGTATTTTAGA 234
Db 2320 TATAAATGTAGTATTGA 2336

RESULT 13
US-09-790-988-1/c
; Sequence 1, Application US/09790988
; Patent No. 6632935
; GENERAL INFORMATION:
; APPLICANT: SHIGENOBU, SHUJI
; APPLICANT: WATANABE, HIDEMI
; APPLICANT: HATTORI, MASAHIRO
; APPLICANT: SAKAKI, YOSHIYUKI
; TITLE OF INVENTION: GENOME DNA OF BACTERIAL SYMBIONT OF APHIDS
; FILE REFERENCE: 081356/0159
; CURRENT APPLICATION NUMBER: US/09/790,988
; CURRENT FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: JP2000-107160
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 1
; LENGTH: 640681
; TYPE: DNA
; ORGANISM: Buchnera sp.
; US-09-790-988-1

Query Match 14.0%; Score 33.8; DB 4; Length 640681;
Best Local Similarity 54.4%; Pred. No. 14;
Matches 68; Conservative 0; Mismatches 57; Indels 0; Gaps 0;

QY 107 AAAATATGTGCAAGTGGATAGGAGCACTGCAGCTGTCAATAGCCTAGGCTGAATTTT 166
Db 127467 AAAAAAATCAGGATGTGCAGGGTTTCGCTACAGATGAAATTTACTAAAGGCTTCAGAA 127408

QY 167 GTCAGATAAATAAATAAATCAATTCATCTCTTTTGTGATTATAAAATTTTCTAAATGT 226
Db 127407 GAAAAAGAAAAGATGAAAAAGAGTAGTTTATTTTATCAAAATATTTTATATATAT 127348

QY 227 ATTTT 231
Db 127347 TTATT 127343

RESULT 14
US-09-790-988-1
; Sequence 1, Application US/09790988
; Patent No. 6632935
; GENERAL INFORMATION:
; APPLICANT: SHIGENOBU, SHUJI
; APPLICANT: WATANABE, HIDEMI
; APPLICANT: HATTORI, MASAHIRO
; APPLICANT: SAKAKI, YOSHIYUKI
; TITLE OF INVENTION: GENOME DNA OF BACTERIAL SYMBIONT OF APHIDS
; FILE REFERENCE: 081356/0159
; CURRENT APPLICATION NUMBER: US/09/790,988
; CURRENT FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: JP2000-107160
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Search completed: April 24, 2004, 05:01:12
Job time : 25.2447 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM nucleic - protein search, using frame_plus_n2p model

Run on: April 21, 2004, 16:13:29 ; Search time 12.3491 Seconds
(without alignments)
2023.381 Million cell updates/sec

Title: US-09-049-696-16

Perfect score: 421

Sequence: 1 GTTATTCTCCACAGACTC.....ATGTATTAGACTTCCTGT 242

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Ygapop 10.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 778828

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Command line parameters:

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-LOOPEXT=0 -UNITS=bits -START=1 -END=1 -MATRIX=blosum62 -TRANS=human40.cdi
-LIST=45 -DOCALIGN=200 -THR SCORE=pct -THR MAX=100 -THR MIN=0 -ALIGN=15
-MODE=LOCAL -OUTFMT=ptc -NORM=ext -HEAPSIZE=500 -MINLEN=0 -MAXLEN=2000000000
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-DRV TIMEOUT=120 -WARN TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5 -FGAPOP=6
-FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database : Issued Patents AA:
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5: /cgn2_6/ptodata/2/iaa/PTCUS_COMB.pep.*
6: /cgn2_6/ptodata/2/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	278	66.0	914	US-09-193-562D-28	Sequence 28, Appl
2	278	66.0	914	US-09-623-624-6	Sequence 6, Appli
3	179.5	42.6	913	US-09-623-624-2	Sequence 2, Appli
4	116	27.6	228	US-08-469-667-9	Sequence 9, Appli
5	116	27.6	228	US-09-224-110-9	Sequence 9, Appli
6	116	27.6	228	US-09-224-110-9	Sequence 9, Appli
7	63.5	15.1	179	US-09-252-991A-26797	Sequence 26797, A
8	63	15.0	910	US-08-460-269C-2	Sequence 2, Appli
9	63	15.0	911	US-08-460-269C-4	Sequence 4, Appli
10	63	15.0	922	US-08-460-269C-6	Sequence 6, Appli
11	62.5	14.8	505	US-08-426-509A-17	Sequence 17, Appl
12	62.5	14.8	505	US-08-232-545-17	Sequence 17, Appl

ALIGNMENTS

RESULT 1

US-09-193-562D-28
; Sequence 28, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedict U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; CURRENT FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 28
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-193-562D-28

Alignment Scores:
Pred. No.: 2.33e-28 Length: 914
Score: 278.00 Matches: 50
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 66.03% Indels: 0
DB: 4 Gaps: 0

US-09-049-696-16 (1-242) x US-09-193-562D-28 (1-914)

QY 2 TTTATTCTCCACAGACTCCGACAGACACCTAGTCCTCATGAACGCTGCTCTGT 61
Db 865 PhelleProGlnThrProGluThrProSerProAspGluThrSerAlaProCys 884
QY 62 CCTAATATTCATCATCAACAGACACCTCTGCGATTTCACATTTAAAAATATGTGGAAG 121
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Sequence 17, Appl
Sequence 4, Appli
Sequence 1, Appli
Sequence 2, Appli
Sequence 1, Appli
Sequence 2, Appli
Sequence 22, Appli
Sequence 2, Appli
Sequence 4722, Ap
Sequence 44, Appl
Sequence 8, Appli
Sequence 8, Appli
Sequence 2, Appli
Sequence 509, App
Sequence 30379, A
Sequence 6, Appli
Sequence 4094, Ap
Sequence 1084, Ap
Sequence 12, Appl
Sequence 25, Appl
Sequence 4, Appli
Sequence 7, Appli
Sequence 2902, Ap
Sequence 1086, A
Sequence 20, Appl
Sequence 1, Appli
Sequence 8106, Ap
Sequence 144, App
Sequence 1035, Ap
Sequence 6, Appli
Sequence 67, Appl
Sequence 12, Appl
Sequence 22, Appl
Sequence 23, Appl

/ NUMBER OF SEQUENCES: 24
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Carella, Byrne, Bain, Gilfillan, Cecchi,
/ ADDRESSER: Stewart & Olstein
/ STREET: 6 Becker Farm Road
/ CITY: Roseland
/ STATE: NJ
/ COUNTRY: USA
/ ZIP: 07068-1739
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patent In Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/469,667
/ FILING DATE: 06-JUN-1995
/ CLASSIFICATION: 536
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Ferraro, Gregory D.
/ REGISTRATION NUMBER: 36,134
/ REFERENCE/DOCKET NUMBER: 325800-435
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 201-994-1700
/ TELEFAX: 201-994-1744
/ INFORMATION FOR SEQ ID NO: 9:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 228 amino acids
/ TYPE: amino acid
/ TOPOLOGY: linear
/ MOLECULE TYPE: protein
/ US-08-469-667-9

Alignment Scores:
Pred. No.: 4,94e-07 Length: 228
Score: 116.00 Matches: 20
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 27.55% Indels: 0
DB: 1 Gaps: 0

US-09-049-696-16 (1-242) x US-08-469-667-9 (1-228)

QY 2 TTTATTCTCCACAGACTCCGACAGACACCTAGTCTGATGAACGTCCTCTTGT 61
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Db 209 PhelieProgluThrProSerProAspGluThrSerAlaProCys 228

RESULT 5

US-09-224-110-9
/ Sequence 9, Application US/09224110
/ Patent No. 6337195
/ GENERAL INFORMATION:
/ APPLICANT: Yu, Guo-Liang
/ APPLICANT: Rosen, Craig
/ TITLE OF INVENTION: Colon Specific Genes and Proteins
/ NUMBER OF SEQUENCES: 24
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Carella, Byrne, Bain, Gilfillan, Cecchi,
/ ADDRESSER: Stewart & Olstein
/ STREET: 6 Becker Farm Road
/ CITY: Roseland
/ STATE: NJ
/ COUNTRY: USA
/ ZIP: 07068-1739
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patent In Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/09/224,110
/ FILING DATE:
/ CLASSIFICATION:

/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 08/469,667
/ FILING DATE: 06-JUN-1995
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Ferraro, Gregory D.
/ REGISTRATION NUMBER: 36,134
/ REFERENCE/DOCKET NUMBER: 325800-435
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 201-994-1700
/ TELEFAX: 201-994-1744
/ INFORMATION FOR SEQ ID NO: 9:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 228 amino acids
/ TYPE: amino acid
/ TOPOLOGY: linear
/ MOLECULE TYPE: protein
/ US-09-224-110-9

Alignment Scores:
Pred. No.: 4,94e-07 Length: 228
Score: 116.00 Matches: 20
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 27.55% Indels: 0
DB: 4 Gaps: 0

US-09-049-696-16 (1-242) x US-09-224-110-9 (1-228)

QY 2 TTTATTCTCCACAGACTCCGACAGACACCTAGTCTGATGAACGTCCTCTTGT 61
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Db 209 PhelieProgluThrProSerProAspGluThrSerAlaProCys 228

RESULT 6

PCT-US95-07289-9
/ Sequence 9, Application PC/TUS9507289
/ GENERAL INFORMATION:
/ APPLICANT: Yu, Guo-Liang
/ APPLICANT: Rosen, Craig
/ TITLE OF INVENTION: Colon Specific Genes and Proteins
/ NUMBER OF SEQUENCES: 24
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Carella, Byrne, Bain, Gilfillan, Cecchi,
/ ADDRESSER: Stewart & Olstein
/ STREET: 6 Becker Farm Road
/ CITY: Roseland
/ STATE: NJ
/ COUNTRY: USA
/ ZIP: 07068-1739
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patent In Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: PCT/US95/07289
/ FILING DATE: 06-JUN-1995
/ CLASSIFICATION:
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Ferraro, Gregory D.
/ REGISTRATION NUMBER: 36,134
/ REFERENCE/DOCKET NUMBER: 325800-265
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 201-994-1700
/ TELEFAX: 201-994-1744
/ INFORMATION FOR SEQ ID NO: 9:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 228 amino acids
/ TYPE: amino acid
/ TOPOLOGY: linear
/ MOLECULE TYPE: protein
/ PCT-US95-07289-9

Alignment Scores:


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; TELEPHONE: (703) 243-6333
; TELEFAX: (703) 243-6410
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 911 amino acids
;   TYPE: amino acid
;   TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-08-460-269C-4

Alignment Scores:
Pred. No.: 6.33 Length: 911
Score: 63.00 Matches: 19
Percent Similarity: 47.46% Conservative: 9
Best Local Similarity: 32.20% Mismatches: 15
Query Match: 14.96% Indels: 16
DB: 3 Gaps: 4

US-09-049-696-16 (1-242) x US-08-460-269C-4 (1-911)
QY 8 CTCCACAGACTCCGCGACAGACACCTAGTCTCTGAT-----GAAAGCTCT 52
Db 589 ProProGlnArgGlnProGluAlaProAlaProGlnProProAlaGlyArgGluLeuSer 608
QY 53 GTCCTTGTCCTAATATTCATATCAACAGACACCATTCCTGGCATTCCACATTTTAAAAAATT 112
Db 609 Ala--AlaAlaAsnAlaAlaValaAsnThr-----GlyGlyValGlyLeuAlaSerThr 625
QY 113 ATGTGG-----AGTGGATAGGAGAACTGCAGCTGTCA 145
Db 626 LeuTptTyAlaGluSerAsnAlaLeuSerLysArgLeuGlyGluLeuArgLeuAsn 644

RESULT 10
US-08-460-269C-6
; Sequence 6, Application US/08460269C
; Patent No. 6197548
; GENERAL INFORMATION:
; APPLICANT: CLARE, JEFFREY J.
; ROMANOS, MICHAEL A.
; TITLE OF INVENTION: EXPRESSION OF HETEROLOGOUS PROTEIN IN YEAST
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSES: Millen, White, Zelano & Branigan, P.C.
; STREET: 2200 Clarendon Blvd., Suite 1400
; CITY: ARLINGTON
; STATE: VA
; COUNTRY: USA
; ZIP: 22201
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/460,269C
; FILING DATE: 02-Jun-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Lebovitz, Richard M.
; REGISTRATION NUMBER: 37,067
; REFERENCE/DOCKET NUMBER: Popov-2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 243-6333
; TELEFAX: (703) 243-6410
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 922 amino acids
;   TYPE: amino acid
;   TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 6:
US-08-460-269C-6

; TELEPHONE: (703) 243-6333
; TELEFAX: (703) 243-6410
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 911 amino acids
;   TYPE: amino acid
;   TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-09-049-696-16 (1-242) x US-08-460-269C-6 (1-911)
QY 8 CTCCACAGACTCCGCGACAGACACCTAGTCTCTGAT-----GAAAGCTCT 52
Db 589 ProProGlnArgGlnProGluAlaProAlaProGlnProProAlaGlyArgGluLeuSer 608
QY 53 GTCCTTGTCCTAATATTCATATCAACAGACACCATTCCTGGCATTCCACATTTTAAAAAATT 112
Db 609 Ala--AlaAlaAsnAlaAlaValaAsnThr-----GlyGlyValGlyLeuAlaSerThr 625
QY 113 ATGTGG-----AGTGGATAGGAGAACTGCAGCTGTCA 145
Db 626 LeuTptTyAlaGluSerAsnAlaLeuSerLysArgLeuGlyGluLeuArgLeuAsn 644

RESULT 11
US-08-426-509A-17
; Sequence 17, Application US/08426509A
; Patent No. 6326469
; GENERAL INFORMATION:
; APPLICANT: Ullrich, Axel
; APPLICANT: Gishizky, Mikhail
; APPLICANT: Sures, Irman G.
; TITLE OF INVENTION: NOVEL MEGAKARYOCYTIC PROTEIN
; TITLE OF INVENTION: TYROSINE KINASES
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York,
; STATE: NY
; COUNTRY: USA
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/426,509A
; FILING DATE: 21-APR-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/232,545
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7683-0074-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-790-9090
; TELEFAX: 212-869-9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 505 amino acids
;   TYPE: amino acid
;   STRANDEDNESS: unknown
;   TOPOLOGY: unknown
; US-08-426-509A-17

Alignment Scores:
Pred. No.: 6.69 Length: 505
Score: 62.50 Matches: 14
Percent Similarity: 48.28% Conservative: 0
```

```

Alignment Scores:
Pred. No.: 6.34 Length: 922
Score: 63.00 Matches: 19
Percent Similarity: 47.46% Conservative: 9
Best Local Similarity: 32.20% Mismatches: 15
Query Match: 14.96% Indels: 16
DB: 3 Gaps: 4

US-09-049-696-16 (1-242) x US-08-460-269C-6 (1-922)
QY 8 CTCCACAGACTCCGCGACAGACACCTAGTCTCTGAT-----GAAAGCTCT 52
Db 600 ProProGlnArgGlnProGluAlaProAlaProGlnProProAlaGlyArgGluLeuSer 619
QY 53 GTCCTTGTCCTAATATTCATATCAACAGACACCATTCCTGGCATTCCACATTTTAAAAAATT 112
Db 620 Ala--AlaAlaAsnAlaAlaValaAsnThr-----GlyGlyValGlyLeuAlaSerThr 636
QY 113 ATGTGG-----AGTGGATAGGAGAACTGCAGCTGTCA 145
Db 637 LeuTptTyAlaGluSerAsnAlaLeuSerLysArgLeuGlyGluLeuArgLeuAsn 655

RESULT 11
US-08-426-509A-17
; Sequence 17, Application US/08426509A
; Patent No. 6326469
; GENERAL INFORMATION:
; APPLICANT: Ullrich, Axel
; APPLICANT: Gishizky, Mikhail
; APPLICANT: Sures, Irman G.
; TITLE OF INVENTION: NOVEL MEGAKARYOCYTIC PROTEIN
; TITLE OF INVENTION: TYROSINE KINASES
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York,
; STATE: NY
; COUNTRY: USA
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/426,509A
; FILING DATE: 21-APR-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/232,545
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7683-0074-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-790-9090
; TELEFAX: 212-869-9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 505 amino acids
;   TYPE: amino acid
;   STRANDEDNESS: unknown
;   TOPOLOGY: unknown
; US-08-426-509A-17

Alignment Scores:
Pred. No.: 6.69 Length: 505
Score: 62.50 Matches: 14
Percent Similarity: 48.28% Conservative: 0
```


Best Local Similarity: 48.28% Mismatches: 14
Query Match: 14.85% Indels: 1
DB: 4 Gaps: 1

US-09-049-696-16 (1-242) x US-08-426-509A-17 (1-505)

QY 11 CCACAGACTCCGCCAGACACCTAGTCTGTGATGAACGCTGCTCTGTCTCTAATATT 70
DB 25 ProHisCysProValTyValProAspProThrSerThrIleIysProGlyProAsnSer 44
QY 71 CATATCAACAGCAGCACCATTCTGGCATT 97
DB 45 His---AsnSerAsnThrProGlyIle 52

RESULT 12

US-08-232-545-17
; Sequence 17, Application US/08232545
; Patent No. 6506578
; GENERAL INFORMATION:
; APPLICANT: Ullrich, Axel
; APPLICANT: Gishizky, Mikhail
; APPLICANT: Sures, Iman G.
; TITLE OF INVENTION: No. 6506578el Megakaryocytic Protein Tyrosine
; TITLE OF INVENTION: Kinases
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/232,545
; FILING DATE: 22-APR-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A.
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7693-050
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)790-9090
; TELEFAX: (212)869-9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 505 amino acids
; TYPE: amino acid
; STRANDEDNESS: unknown
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
US-08-232-545-17

Alignment Scores:
Pred. No.: 6.69 Length: 505
Score: 62.50 Matches: 14
Percent Similarity: 48.28% Conservative: 0
Best Local Similarity: 48.28% Mismatches: 14
Query Match: 14.85% Indels: 1
DB: 4 Gaps: 1

US-09-049-696-16 (1-242) x US-08-232-545-17 (1-505)

QY 11 CCACAGACTCCGCCAGACACCTAGTCTGTGATGAACGCTGCTCTGTCTCTAATATT 70
DB 25 ProHisCysProValTyValProAspProThrSerThrIleIysProGlyProAsnSer 44
QY 71 CATATCAACAGCAGCACCATTCTGGCATT 97

DB 45 His---AsnSerAsnThrProGlyIle 52

RESULT 13

PCT-US95-05008-17
; Sequence 17, Application PC/TUS9505008
; GENERAL INFORMATION:
; APPLICANT: Sugen, Inc.
; APPLICANT: 515 Galveston Drive
; APPLICANT: Redwood City, California 94063-4720
; APPLICANT: United States of America
; APPLICANT: Wissensschaften E.V.
; APPLICANT: Hofgarten Str. 2
; APPLICANT: Munchen 80539
; APPLICANT: Germany
; TITLE OF INVENTION: Novel Megakaryocytic Protein Tyrosine
; TITLE OF INVENTION: Kinases
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/05008
; FILING DATE: 24-APR-1995
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/232,545
; FILING DATE: 22-APR-1994
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A.
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7693-074
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)790-9090
; TELEFAX: (212)869-9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 505 amino acids
; TYPE: amino acid
; STRANDEDNESS: unknown
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
PCT-US95-05008-17

Alignment Scores:
Pred. No.: 6.69 Length: 505
Score: 62.50 Matches: 14
Percent Similarity: 48.28% Conservative: 0
Best Local Similarity: 48.28% Mismatches: 14
Query Match: 14.85% Indels: 1
DB: 5 Gaps: 1

US-09-049-696-16 (1-242) x PCT-US95-05008-17 (1-505)

QY 11 CCACAGACTCCGCCAGACACCTAGTCTGTGATGAACGCTGCTCTGTCTCTAATATT 70
DB 25 ProHisCysProValTyValProAspProThrSerThrIleIysProGlyProAsnSer 44
QY 71 CATATCAACAGCAGCACCATTCTGGCATT 97
DB 45 His---AsnSerAsnThrProGlyIle 52

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RESULT 14
US-08-217-327-4
; Sequence 4, Application US/08217327
; Patent No. 5474925
; GENERAL INFORMATION:
; APPLICANT: John, Maliyakal E
; APPLICANT: Barton, Kenneth A
; TITLE OF INVENTION: Immobilized Proteins in Cotton Fiber
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Quarles and Brady
; STREET: P.O. Box 2113
; CITY: Madison
; STATE: WI
; COUNTRY: USA
; ZIP: 53701-2113
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/217,327
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/812,233
; FILING DATE: 19-DEC-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Seay, Nicholas J
; REGISTRATION NUMBER: 27,386
; REFERENCE/DOCKET NUMBER: 1122990831
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 608-251-5000
; TELEFAX: 608-251-9166
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 214 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-217-327-4

Alignment Scores:
Pred. No.: 9.19 Length: 214
Score: 61.00 Matches: 12
Percent Similarity: 46.67% Conservative: 2
Best Local Similarity: 40.00% Mismatches: 16
Query Match: 14.49% Indels: 0
DB: 1 Gaps: 0

US-09-049-696-16 (1-242) x US-08-217-327-4 (1-214)
QY 8 CCTCCACAGACTCGGCAGAGACCACTAGTCCTGTGTAACAGTCTGCT
Db 124 ProProAlaThrProProAlaThrProProAlaThrProProAlaThrProPro
QY 68 ATTCAATATCAACAGCACCATTCTCTGCATT 97
Db 144 AlaSerProProAlaThrValProAlaIle 153

RESULT 15
US-08-313-200-1
; Sequence 1, Application US/08313200
; Patent No. 5998153
; GENERAL INFORMATION:
; APPLICANT: Baker, James R.
; APPLICANT: Koenig, Ronald J.
; TITLE OF INVENTION: THYROID PEROXIDASE EPITOPIC REGIONS
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORRISON & FOERSTER
; STREET: 755 Page Mill Road

```

```

CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304-1018
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/313,200
FILING DATE: 08-NOV-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Kanski, Antoinette F.
REGISTRATION NUMBER: 34,202
REFERENCE/DOCKET NUMBER: 20344-20658.20
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 813-5600
TELEFAX: (415) 494-0792
TELEX: 706141
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 933 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: N-terminal
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
DEVELOPMENTAL STAGE: Mature
TISSUE TYPE: Thyroid gland(from people with Grave's
TISSUE TYPE: disease)
IMMEDIATE SOURCE:
CLONE: pTPO-2.8
FEATURE:
NAME/KEY: Peptide
LOCATION: join(1..3, 456..631)
OTHER INFORMATION: /note= "TPO region within fusion
OTHER INFORMATION: plasmid: TPO(delta4-455)"
FEATURE:
NAME/KEY: Peptide
LOCATION: 1..120
OTHER INFORMATION: /note= "C-terminal truncation:
OTHER INFORMATION: TPO(1-120)"
FEATURE:
NAME/KEY: Region
LOCATION: 1..400
OTHER INFORMATION: /note= "TPO epitopic region within
OTHER INFORMATION: fusion protein: MBP-TPO (AA 1-400)"
FEATURE:
NAME/KEY: Peptide
LOCATION: 1..455
OTHER INFORMATION: /note= "C-terminal truncation-
OTHER INFORMATION: TPO(1-455) or N-terminal half of TPO"
FEATURE:
NAME/KEY: Peptide
LOCATION: 1..631
OTHER INFORMATION: /note= "C-terminal truncation:
OTHER INFORMATION: TPO(1-631)"
FEATURE:
NAME/KEY: Region
LOCATION: 266..281
OTHER INFORMATION: /note= "TPO epitopic or binding
OTHER INFORMATION: region"
FEATURE:
NAME/KEY: Region
LOCATION: 376..631
OTHER INFORMATION: /note= "TPO epitopic region within
OTHER INFORMATION: fusion protein: MBP-TPO (AA 376-631)"

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/ OTHER INFORMATION: C-terminus of TPO"
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/ FEATURE:
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/ NAME/KEY: Region
/ LOCATION: 455..933
/ OTHER INFORMATION: /note= "TPO C-terminus containing
/ OTHER INFORMATION: binding region"
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/ FEATURE:
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/ NAME/KEY: Region
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/ NAME/KEY: Region
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/ NAME/KEY: Region
/ LOCATION: 457..633
/ OTHER INFORMATION: /note= "TPO region within fusion
/ OTHER INFORMATION: plasmid pMalTPO"
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/ NAME/KEY: Region
/ LOCATION: 457..933
/ OTHER INFORMATION: /note= "TPO binding region within
/ OTHER INFORMATION: plasmid pMalTPO"
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/ FEATURE:
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/ NAME/KEY: Region
/ LOCATION: 465..933
/ OTHER INFORMATION: /note= "TPO binding region of
/ OTHER INFORMATION: maltose binding region fusion construct"
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/ NAME/KEY: Region
/ LOCATION: 513..633
/ OTHER INFORMATION: /note= "recombinant TPO"
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/ LOCATION: 517..630
/ OTHER INFORMATION: /note= "TPO binding or epitopic
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/ OTHER INFORMATION: /note= "TPO binding or epitopic
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/ FEATURE:
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/ LOCATION: 573..633
/ OTHER INFORMATION: /note= "TPO binding or epitopic
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/ FEATURE:
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/ NAME/KEY: Region
/ LOCATION: 590..611
/ OTHER INFORMATION: /note= "TPO region within maltose
/ OTHER INFORMATION: binding fusion protein"
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/ FEATURE:
/ NAME/KEY: Region
/ LOCATION: 590..615
/ OTHER INFORMATION: /note= "TPO binding or epitopic
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/ LOCATION: 590..675
/ OTHER INFORMATION: /note= "TPO binding or epitopic
/ OTHER INFORMATION: region"
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/ FEATURE:
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/ NAME/KEY: Region
/ LOCATION: 592..613
/ OTHER INFORMATION: /note= "TPO binding or epitopic
/ OTHER INFORMATION: region"
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/ FEATURE:
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/ NAME/KEY: Region
/ LOCATION: 596..611
/ OTHER INFORMATION: /note= "Tpo region within fusion
/ OTHER INFORMATION: protein"
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/ FEATURE:
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/ NAME/KEY: Region
/ LOCATION: 602..615
/ OTHER INFORMATION: /note= "TPO region containing
/ OTHER INFORMATION: divergent sequences"
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/ NAME/KEY: Region
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/ FEATURE:
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/ NAME/KEY: Region
/ LOCATION: 631..933
/ OTHER INFORMATION: /note= "TPO binding or epitopic
/ OTHER INFORMATION: region"
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/ FEATURE:
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/ NAME/KEY: Region
/ LOCATION: 632..933
/ OTHER INFORMATION: /note= "TPO region within maltose
/ OTHER INFORMATION: binding fusion protein"
/
/ FEATURE:
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/ NAME/KEY: Region
/ LOCATION: 633..768
/ OTHER INFORMATION: /note= "TPO binding or epitopic
/ OTHER INFORMATION: region"
/
/
/ Alignment Scores:
/ Pred. No.: 11.7 Length: 933
/ Score: 61.00 Matches: 15
/ Percent Similarity: 44.44% Conservative: 5
/ Best Local Similarity: 33.33% Mismatches: 19
/ Query Match: 14.49% Indels: 6
/ Db: 2 Gaps: 2
/
/ US-09-049-696-16 (1-242) x US-08-313-200-1 (1-933)
/
/ QY 2 TTTATTCTCCACAGACTCCG-----CCAGAGACACCTAGTCCTGATGAACG 49
/ |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
/ Db 366 PheValProProArgProAlaalaCysAlaProGluProGlyIleProGlyGluThr 385
/
/ QY 50 TCTGCTCCTTGT-----CCTAATATTCATATCAACAGCACCATTCCTGGCATTCCACATT 103
/ |||||:|||||:|||||:|||||:|||||:|||||:|||||:
/ Db 386 ArgGlyProCysPheLeuAlaGlyAspGlyArgAlaSerGluValProSerLeuThrAla 405
/
/ QY 104 TTAATAATTATGTGG 118
/ |||||:|||||:|||||:|||||:
/ Db 406 LeuHisThrLeuTrp 410
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Search completed: April 21, 2004, 16:22:27
JOB time : 14.3491 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: April 24, 2004, 04:05:52 ; Search time 132.72 Seconds
(without alignments)
8424.829 Million cell updates/sec

Title: US-09-049-696-14

Perfect score: 248

Sequence: 1 ACCTGAAGCGGAATTCAC.....TTGAAATGGCAGACATCTT 248

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 2907579 seqs, 2254313464 residues

Total number of hits satisfying chosen parameters: 5815158

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

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- 3: /cgn2_6/ptodata/2/pubpna/US05_NEW_PUB.seq:*
- 4: /cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq:*
- 5: /cgn2_6/ptodata/2/pubpna/US07_NEW_PUB.seq:*
- 6: /cgn2_6/ptodata/2/pubpna/PCTUS_PUBCOMB.seq:*
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- 10: /cgn2_6/ptodata/2/pubpna/US09B_PUBCOMB.seq:*
- 11: /cgn2_6/ptodata/2/pubpna/US09C_PUBCOMB.seq:*
- 12: /cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq:*
- 13: /cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq:*
- 14: /cgn2_6/ptodata/2/pubpna/US10A_PUBCOMB.seq:*
- 15: /cgn2_6/ptodata/2/pubpna/US10B_PUBCOMB.seq:*
- 16: /cgn2_6/ptodata/2/pubpna/US10C_PUBCOMB.seq:*
- 17: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq:*
- 18: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq:*
- 19: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	248	100.0	878	13	US-09-988-292-8
2	248	100.0	1512	16	US-10-305-720-850
3	248	100.0	2745	15	US-10-270-595-5
4	248	100.0	2854	15	US-10-106-698-1971
5	248	100.0	3007	15	US-10-055-412B-27
6	248	100.0	3109	15	US-10-106-698-2111
7	248	100.0	3111	9	US-09-823-356-25
8	248	100.0	3111	9	US-09-981-353-191
9	248	100.0	3111	15	US-10-235-994-25
10	248	100.0	3267	9	US-09-764-868-22
11	248	100.0	3311	9	US-09-922-217-1056
12	248	100.0	3311	9	US-09-833-263-1056
13	248	100.0	3311	14	US-10-025-380-1056
14	248	100.0	3311	15	US-10-393-590-11

15	248	100.0	3311	15	US-10-393-590-12	Sequence 12, Appl
16	248	100.0	3311	15	US-10-393-590-46	Sequence 46, Appl
17	248	100.0	3311	15	US-10-393-590-47	Sequence 47, Appl
18	248	100.0	3311	15	US-10-393-567-11	Sequence 11, Appl
19	248	100.0	3311	15	US-10-393-567-12	Sequence 12, Appl
20	248	100.0	3311	15	US-10-393-567-46	Sequence 46, Appl
21	248	100.0	3311	15	US-10-393-567-47	Sequence 47, Appl
22	248	100.0	3311	15	US-10-394-087-11	Sequence 11, Appl
23	248	100.0	3311	15	US-10-394-087-12	Sequence 12, Appl
24	248	100.0	3311	15	US-10-394-087-46	Sequence 46, Appl
25	248	100.0	3311	15	US-10-394-087-47	Sequence 47, Appl
26	248	100.0	3311	15	US-09-867-034-3	Sequence 3, Appl
27	248	100.0	4569	13	US-10-276-115-3	Sequence 3, Appl
28	246.4	99.4	2867	15	US-10-106-698-351	Sequence 351, App
29	207.4	83.6	218	9	US-09-815-343-297	Sequence 297, App
30	207.4	83.6	218	13	US-10-097-105-297	Sequence 297, App
31	207.4	83.6	220	9	US-09-815-343-1049	Sequence 1049, Ap
32	207.4	83.6	220	13	US-10-097-105-1049	Sequence 1049, Ap
33	167	67.3	568	13	US-10-027-632-180696	Sequence 180696,
34	167	67.3	568	16	US-10-027-632-180696	Sequence 180696,
35	149.4	60.2	2931	15	US-10-270-595-1	Sequence 1, Appl
36	143.4	57.8	524	9	US-09-998-598-2534	Sequence 2534, Ap
37	141	56.9	481	15	US-10-066-543-2792	Sequence 2792, Ap
38	141	56.9	482	15	US-10-060-036-2601	Sequence 2601, Ap
39	141	56.9	482	15	US-10-066-543-181	Sequence 181, App
40	141	56.9	482	15	US-10-066-543-1737	Sequence 1737, Ap
41	141	56.9	482	15	US-10-066-543-1898	Sequence 1898, Ap
42	141	56.9	482	15	US-10-066-543-2241	Sequence 2241, Ap
43	141	56.9	483	15	US-10-066-543-2794	Sequence 2794, Ap
44	129.8	52.3	1802	9	US-09-925-299-77	Sequence 77, Appl
45	129.8	52.3	1802	10	US-09-925-299-77	Sequence 77, Appl

ALIGNMENTS

RESULT 1

US-09-988-292-8
; Sequence 8, Application US/09988292
; Publication No. US20020086314A1
; GENERAL INFORMATION:
; APPLICANT: Yu, Guo-liang
; Rosen, Craig
; TITLE OF INVENTION: Colon Specific Genes and Proteins
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSER: Carella, Byrne, Bain, Gilfillan, Cecchi,
; STREET: 6 Becker Farm Road
; CITY: Roseland
; STATE: NJ
; COUNTRY: USA
; ZIP: 07068-1739
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA: US/09/988, 292
; APPLICATION NUMBER: US/09/988, 292
; FILING DATE: 19-Nov-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/224,110
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Ferraro, Gregory D.
; REGISTRATION NUMBER: 36,134
; REFERENCE/DOCKET NUMBER: 325800-435
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-994-1700
; TELEFAX: 201-994-1744
; INFORMATION FOR SEQ ID NO: 8:

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/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 878 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: cDNA
/ FEATURE:
/ NAME/KEY: CDS
/ LOCATION: 2..685
/ SEQUENCE DESCRIPTION: SEQ ID NO: 8:
US-09-988-292-8

Query Match
Best Local Similarity 100.0%; Score 248; DB 13; Length 878;
Matches 248; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ACCTGAAGCGGAAATTCACGGGGGAGTCTCATTAACTGACTTGGACAGCTCTCTGGGG 60
DB 306 ACCTGAAGCGGAAATTCACGGGGGAGTCTCATTAACTGACTTGGACAGCTCTCTGGGG 365
QY 61 ATGATTATGACCATGGAACAGCTCACAAGTATATCATTCGAATAAGTACAAGTATCTTG 120
DB 366 ATGATTATGACCATGGAACAGCTCACAAGTATATCATTCGAATAAGTACAAGTATCTTG 425
QY 121 ATCTCAGACAGCAAGTTCAATGAATCTCTTCAAGTGAATACTACTGCTCTCATCCCAAAGG 180
DB 426 ATCTCAGACAGCAAGTTCAATGAATCTCTTCAAGTGAATACTACTGCTCTCATCCCAAAGG 485
QY 181 AAGCCAACTCTGAGGAAGTCTTTTGTAAACCCAGAAAACATTACTTTTGAATAATGGCA 240
DB 486 AAGCCAACTCTGAGGAAGTCTTTTGTAAACCCAGAAAACATTACTTTTGAATAATGGCA 545
QY 241 CAGATCTT 248
DB 546 CAGATCTT 553

RESULT 2
US-10-305-720-850
; Sequence 850, Application US/10305720
; Publication No. US20040010136A1
; GENERAL INFORMATION:
; APPLICANT: Au-Young, Janice K.; Seilhamer, Jeffrey J.
; TITLE OF INVENTION: Composition for the Detection of Signaling Pathway Gene Expression
; FILE REFERENCE: PA-0002-1 CON
; CURRENT APPLICATION NUMBER: US/10/305,720
; CURRENT FILING DATE: 2002-11-26
; PRIOR FILING DATE: 1998-01-30
; NUMBER OF SEQ ID NOS: 1490
; SOFTWARE: PERL Program
; SEQ ID NO 850
; LENGTH: 1512
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No. US20040010136A1 608819
US-10-305-720-850

Query Match
Best Local Similarity 100.0%; Score 248; DB 16; Length 1512;
Matches 248; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ACCTGAAGCGGAAATTCACGGGGGAGTCTCATTAACTGACTTGGACAGCTCTCTGGGG 60
DB 997 ACCTGAAGCGGAAATTCACGGGGGAGTCTCATTAACTGACTTGGACAGCTCTCTGGGG 1056
QY 61 ATGATTATGACCATGGAACAGCTCACAAGTATATCATTCGAATAAGTACAAGTATCTTG 120
DB 1057 ATGATTATGACCATGGAACAGCTCACAAGTATATCATTCGAATAAGTACAAGTATCTTG 1116
QY 121 ATCTCAGACAGCAAGTTCAATGAATCTCTTCAAGTGAATACTACTGCTCTCATCCCAAAGG 180
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DB 1117 ATCTCAGACAGCAAGTTCAATGAATCTCTTCAAGTGAATACTACTGCTCTCATCCCAAAGG 1176
QY 181 AAGCCAACTCTGAGGAAGTCTTTTGTAAACCCAGAAAACATTACTTTTGAATAATGGCA 240
DB 1177 AAGCCAACTCTGAGGAAGTCTTTTGTAAACCCAGAAAACATTACTTTTGAATAATGGCA 1236
QY 241 CAGATCTT 248
DB 1237 CAGATCTT 1244

RESULT 3
US-10-270-595-5
; Sequence 5, Application US/10270595
; Publication No. US20030078409A1
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/10/270,595
; CURRENT FILING DATE: 2002-10-16
; PRIOR APPLICATION NUMBER: US/09/623,624
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,472
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 2745
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(2742)
US-10-270-595-5

Query Match
Best Local Similarity 100.0%; Score 248; DB 15; Length 2745;
Matches 248; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ACCTGAAGCGGAAATTCACGGGGGAGTCTCATTAACTGACTTGGACAGCTCTCTGGGG 60
DB 2273 ACCTGAAGCGGAAATTCACGGGGGAGTCTCATTAACTGACTTGGACAGCTCTCTGGGG 2332
QY 61 ATGATTATGACCATGGAACAGCTCACAAGTATATCATTCGAATAAGTACAAGTATCTTG 120
DB 2333 ATGATTATGACCATGGAACAGCTCACAAGTATATCATTCGAATAAGTACAAGTATCTTG 2392
QY 121 ATCTCAGACAGCAAGTTCAATGAATCTCTTCAAGTGAATACTACTGCTCTCATCCCAAAGG 180
DB 2393 ATCTCAGACAGCAAGTTCAATGAATCTCTTCAAGTGAATACTACTGCTCTCATCCCAAAGG 2452
QY 181 AAGCCAACTCTGAGGAAGTCTTTTGTAAACCCAGAAAACATTACTTTTGAATAATGGCA 240
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Db 2453 AAGCCAACTCTGAGGAAGTCTTTTGTAAACAGAAAAACATTACTTTTGAAATGGCA 2512
QY 241 CAGATCTT 248
Db 2513 CAGATCTT 2520

RESULT 4

US-10-106-698-1971
; Sequence 1971, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide
; FILE REFERENCE: PA005P1
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 1971
; LENGTH: 2854
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-106-698-1971

Query Match 100.0%; Score 248; DB 15; Length 2854;
Best Local Similarity 100.0%; Pred. No. 1.7e-66;
Matches 248; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 ACCTGAAGCGGAAATTCACGGGGCAGTCTCAATTAATCTGACTTGGACAGCTCTCTGGGG 60
Db 2307 ACCTGAAGCGGAAATTCACGGGGCAGTCTCAATTAATCTGACTTGGACAGCTCTCTGGGG 2366
QY 61 ATGATTATGACCATGGAACAGCTCACAAGTATATCATTCGAATGAATGATTAATCTTCTCATCCCAAAGG 120
Db 2367 ATGATTATGACCATGGAACAGCTCACAAGTATATCATTCGAATGAATGATTAATCTTCTCATCCCAAAGG 2426
QY 121 ATCTCAGACACAAGTTCAATGAATCTTCAAGTGAATATCTGCTCTCATCCCAAAGG 180
Db 2427 ATCTCAGACACAAGTTCAATGAATCTTCAAGTGAATATCTGCTCTCATCCCAAAGG 2486
QY 181 AAGCCAACTCTGAGGAAGTCTTTTGTAAACAGAAAAACATTACTTTTGAAATGGCA 240
Db 2487 AAGCCAACTCTGAGGAAGTCTTTTGTAAACAGAAAAACATTACTTTTGAAATGGCA 2546
QY 241 CAGATCTT 248
Db 2547 CAGATCTT 2554

RESULT 5

US-10-055-412B-27
; Sequence 27, Application US/10055412B
; Publication No. US20030059861A1
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedict U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; FILE REFERENCE: 18617.0058
; CURRENT APPLICATION NUMBER: US/10/055,412B
; CURRENT FILING DATE: 2001-10-29
; PRIOR APPLICATION NUMBER: US/09/193,562
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47

; SEQ ID NO 27
; LENGTH: 3007
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-055-412B-27

Query Match 100.0%; Score 248; DB 15; Length 3007;
Best Local Similarity 100.0%; Pred. No. 1.7e-66;
Matches 248; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 ACCTGAAGCGGAAATTCACGGGGCAGTCTCAATTAATCTGACTTGGACAGCTCTCTGGGG 60
Db 2319 ACCTGAAGCGGAAATTCACGGGGCAGTCTCAATTAATCTGACTTGGACAGCTCTCTGGGG 2378
QY 61 ATGATTATGACCATGGAACAGCTCACAAGTATATCATTCGAATGAATGATTAATCTTCTCATCCCAAAGG 120
Db 2379 ATGATTATGACCATGGAACAGCTCACAAGTATATCATTCGAATGAATGATTAATCTTCTCATCCCAAAGG 2438
QY 121 ATCTCAGACACAAGTTCAATGAATCTTCAAGTGAATATCTGCTCTCATCCCAAAGG 180
Db 2439 ATCTCAGACACAAGTTCAATGAATCTTCAAGTGAATATCTGCTCTCATCCCAAAGG 2498
QY 181 AAGCCAACTCTGAGGAAGTCTTTTGTAAACAGAAAAACATTACTTTTGAAATGGCA 240
Db 2499 AAGCCAACTCTGAGGAAGTCTTTTGTAAACAGAAAAACATTACTTTTGAAATGGCA 2558
QY 241 CAGATCTT 248
Db 2559 CAGATCTT 2566

RESULT 6

US-10-106-698-2111
; Sequence 2111, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide
; FILE REFERENCE: PA005P1
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 2111
; LENGTH: 3109
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-106-698-2111

Query Match 100.0%; Score 248; DB 15; Length 3109;
Best Local Similarity 100.0%; Pred. No. 1.8e-66;
Matches 248; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 ACCTGAAGCGGAAATTCACGGGGCAGTCTCAATTAATCTGACTTGGACAGCTCTCTGGGG 60
Db 2160 ACCTGAAGCGGAAATTCACGGGGCAGTCTCAATTAATCTGACTTGGACAGCTCTCTGGGG 2219
QY 61 ATGATTATGACCATGGAACAGCTCACAAGTATATCATTCGAATGAATGATTAATCTTCTCATCCCAAAGG 120
Db 2220 ATGATTATGACCATGGAACAGCTCACAAGTATATCATTCGAATGAATGATTAATCTTCTCATCCCAAAGG 2279
QY 121 ATCTCAGACACAAGTTCAATGAATCTTCAAGTGAATATCTGCTCTCATCCCAAAGG 180
Db 2280 ATCTCAGACACAAGTTCAATGAATCTTCAAGTGAATATCTGCTCTCATCCCAAAGG 2339
QY 181 AAGCCAACTCTGAGGAAGTCTTTTGTAAACAGAAAAACATTACTTTTGAAATGGCA 240

Db 2340 AAGCCAACTCTGAGGAAGTCTTTTCTTTAAACAGAAAACATTACTTTTGAAATGGCA 2399
QY 241 CAGATCTT 248
Db 2400 CAGATCTT 2407

RESULT 7

US-09-823-356-25
; Sequence 25, Application US/09823356
; Patent No. US20010025098A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Bandman, Olga
; APPLICANT: Lal, Preeti
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Yue, Henry
; APPLICANT: Corley, Neil C.
; APPLICANT: Guegler, Karl J.
; APPLICANT: Kaser, Matthew R.
; APPLICANT: Baughn, Mariah R.
; APPLICANT: Shah, Purvi
; TITLE OF INVENTION: HUMAN MEMBRANE SPANNING PROTEINS
; FILE REFERENCE: PF-0489-1 CON
; CURRENT APPLICATION NUMBER: US/09/823,356
; CURRENT FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/039,307
; PRIOR FILING DATE: 1998 March 13
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PERL Program
; SEQ ID NO 25
; LENGTH: 3111
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20010025098A1 1737775
US-09-823-356-25

Query Match 100.0%; Score 248; DB 9; Length 3111;
Best Local Similarity 100.0%; Pred. No. 1.8e-66;
Matches 248; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 ACCTGAAGCGGAAATTCACGGGGCAGTCTCATTAACTGACTTGGACAGCTCCTGGGG 60
Db 2306 ACCTGAAGCGGAAATTCACGGGGCAGTCTCATTAACTGACTTGGACAGCTCCTGGGG 2365
QY 61 ATGATTATGACCATGGAACAGCTCACAAGTATATCATTCGAATAAGTACAAGTATTCTTG 120
Db 2366 ATGATTATGACCATGGAACAGCTCACAAGTATATCATTCGAATAAGTACAAGTATTCTTG 2425
QY 121 ATCTCAGACAGAAGTTCAATGAATCTCTTCAAGTGAATACTGCTCTCATCCCAAAGG 180
Db 2426 ATCTCAGACAGAAGTTCAATGAATCTCTTCAAGTGAATACTGCTCTCATCCCAAAGG 2485
QY 181 AAGCCAACTCTGAGGAAGTCTTTTCTTTAAACAGAAAACATTACTTTTGAAATGGCA 240
Db 2486 AAGCCAACTCTGAGGAAGTCTTTTCTTTAAACAGAAAACATTACTTTTGAAATGGCA 2545
QY 241 CAGATCTT 248
Db 2546 CAGATCTT 2553

RESULT 8

US-09-981-353-191
; Sequence 191, Application US/09981353
; Patent No. US20020160382A1
; GENERAL INFORMATION:
; APPLICANT: Lasek, Amy W.
; APPLICANT: Jones, David A.
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0038 US

; CURRENT APPLICATION NUMBER: US/09/981,353
; CURRENT FILING DATE: 2001-10-11
; NUMBER OF SEQ ID NOS: 194
; SOFTWARE: PERL Program
; SEQ ID NO 191
; LENGTH: 3111
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20020160382A1 1737775CB1
US-09-981-353-191

Query Match 100.0%; Score 248; DB 9; Length 3111;
Best Local Similarity 100.0%; Pred. No. 1.8e-66;
Matches 248; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 ACCTGAAGCGGAAATTCACGGGGCAGTCTCATTAACTGACTTGGACAGCTCCTGGGG 60
Db 2306 ACCTGAAGCGGAAATTCACGGGGCAGTCTCATTAACTGACTTGGACAGCTCCTGGGG 2365
QY 61 ATGATTATGACCATGGAACAGCTCACAAGTATATCATTCGAATAAGTACAAGTATTCTTG 120
Db 2366 ATGATTATGACCATGGAACAGCTCACAAGTATATCATTCGAATAAGTACAAGTATTCTTG 2425
QY 121 ATCTCAGACAGAAGTTCAATGAATCTCTTCAAGTGAATACTGCTCTCATCCCAAAGG 180
Db 2426 ATCTCAGACAGAAGTTCAATGAATCTCTTCAAGTGAATACTGCTCTCATCCCAAAGG 2485
QY 181 AAGCCAACTCTGAGGAAGTCTTTTCTTTAAACAGAAAACATTACTTTTGAAATGGCA 240
Db 2486 AAGCCAACTCTGAGGAAGTCTTTTCTTTAAACAGAAAACATTACTTTTGAAATGGCA 2545
QY 241 CAGATCTT 248
Db 2546 CAGATCTT 2553

RESULT 9

US-10-235-994-25
; Sequence 25, Application US/10235994
; Publication No. US20030101002A1
; GENERAL INFORMATION:
; APPLICANT: Bartha, Gabor
; APPLICANT: Walker, Michael
; TITLE OF INVENTION: METHODS FOR ANALYZING GENE EXPRESSION PATTERNS
; FILE REFERENCE: ICYTP012
; CURRENT APPLICATION NUMBER: US/10/235,994
; CURRENT FILING DATE: 2002-09-04
; PRIOR APPLICATION NUMBER: US/10/003,608
; PRIOR FILING DATE: 2001-11-01
; PRIOR APPLICATION NUMBER: 60/245,081
; PRIOR FILING DATE: 2000-11-01
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 25
; LENGTH: 3111
; TYPE: DNA
; ORGANISM: Human
US-10-235-994-25

Query Match 100.0%; Score 248; DB 15; Length 3111;
Best Local Similarity 100.0%; Pred. No. 1.8e-66;
Matches 248; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ACCTGAAGCGGAAATTCACGGGGCAGTCTCATTAACTGACTTGGACAGCTCCTGGGG 60
Db 2306 ACCTGAAGCGGAAATTCACGGGGCAGTCTCATTAACTGACTTGGACAGCTCCTGGGG 2365
QY 61 ATGATTATGACCATGGAACAGCTCACAAGTATATCATTCGAATAAGTACAAGTATTCTTG 120
Db 2366 ATGATTATGACCATGGAACAGCTCACAAGTATATCATTCGAATAAGTACAAGTATTCTTG 2425

QY 121 ATCTCAGACAAAGTTCAATGAATCTCTTCAAGTGAATACTACTGCTCTCATCCAAAGG 180
DB 2426 ATCTCAGACAAAGTTCAATGAATCTCTTCAAGTGAATACTACTGCTCTCATCCAAAGG 2485
QY 181 AAGCCAACTCTGAGGAAGTCTTTTGTGTTAAACCCAGAAAACATTACTTTTGAAAATGGCA 240
DB 2486 AAGCCAACTCTGAGGAAGTCTTTTGTGTTAAACCCAGAAAACATTACTTTTGAAAATGGCA 2545
QY 241 CAGATCTT 248
DB 2546 CAGATCTT 2553

RESULT 10

US-09-764-868-22
; Sequence 22, Application US/09764868
; Patent No. US20020168711A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PT232
; CURRENT APPLICATION NUMBER: US/09/764,868
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 1510
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 22
; LENGTH: 3267
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-868-22

Query Match 100.0%; Score 248; DB 9; Length 3267;
Best Local Similarity 100.0%; Pred. No. 1.8e-66;
Matches 248; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ACCTGAAGCGGAAATTCACGGGGGCGAGTCTCAATTAATCTGACTTGGACAGCTCTCTGGGG 60
DB 2307 ACCTGAAGCGGAAATTCACGGGGGCGAGTCTCAATTAATCTGACTTGGACAGCTCTCTGGGG 2366
QY 61 ATGATTATGACCATGGAACAGCTCACAAGTATATCATTCGTAATAGTACAGTATTTCTTG 120
DB 2367 ATGATTATGACCATGGAACAGCTCACAAGTATATCATTCGTAATAGTACAGTATTTCTTG 2426
QY 121 ATCTCAGACAAAGTTCAATGAATCTCTTCAAGTGAATACTACTGCTCTCATCCAAAGG 180
DB 2427 ATCTCAGACAAAGTTCAATGAATCTCTTCAAGTGAATACTACTGCTCTCATCCAAAGG 2486
QY 181 AAGCCAACTCTGAGGAAGTCTTTTGTGTTAAACCCAGAAAACATTACTTTTGAAAATGGCA 240
DB 2487 AAGCCAACTCTGAGGAAGTCTTTTGTGTTAAACCCAGAAAACATTACTTTTGAAAATGGCA 2546
QY 241 CAGATCTT 248
DB 2547 CAGATCTT 2554

RESULT 11

US-09-922-217-1056
; Sequence 1056, Application US/09922217
; Patent No. US20020076414A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather
; APPLICANT: Benson, Darin R.
; APPLICANT: Meagher, Madeleine Joy
; APPLICANT: Stolk, John A.
; APPLICANT: Wang, Tongtong
; APPLICANT: Jiang, Yuqin
; APPLICANT: Smith, Carole Lynn
; APPLICANT: King, Gordon E.
; APPLICANT: Wang, Aijun

; APPLICANT: Clapper, Jonathan D.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; FILE REFERENCE: 210121.471C13
; CURRENT APPLICATION NUMBER: US/09/922,217
; CURRENT FILING DATE: 2001-08-03
; NUMBER OF SEQ ID NOS: 1124
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1056
; LENGTH: 3311
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-922-217-1056

Query Match 100.0%; Score 248; DB 9; Length 3311;
Best Local Similarity 100.0%; Pred. No. 1.8e-66;
Matches 248; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ACCTGAAGCGGAAATTCACGGGGGCGAGTCTCAATTAATCTGACTTGGACAGCTCTCTGGGG 60
DB 2624 ACCTGAAGCGGAAATTCACGGGGGCGAGTCTCAATTAATCTGACTTGGACAGCTCTCTGGGG 2683
QY 61 ATGATTATGACCATGGAACAGCTCACAAGTATATCATTCGTAATAGTACAGTATTTCTTG 120
DB 2684 ATGATTATGACCATGGAACAGCTCACAAGTATATCATTCGTAATAGTACAGTATTTCTTG 2743
QY 121 ATCTCAGACAAAGTTCAATGAATCTCTTCAAGTGAATACTACTGCTCTCATCCAAAGG 180
DB 2744 ATCTCAGACAAAGTTCAATGAATCTCTTCAAGTGAATACTACTGCTCTCATCCAAAGG 2803
QY 181 AAGCCAACTCTGAGGAAGTCTTTTGTGTTAAACCCAGAAAACATTACTTTTGAAAATGGCA 240
DB 2804 AAGCCAACTCTGAGGAAGTCTTTTGTGTTAAACCCAGAAAACATTACTTTTGAAAATGGCA 2863
QY 241 CAGATCTT 248
DB 2864 CAGATCTT 2871

RESULT 12

US-09-833-263-1056
; Sequence 1056, Application US/09833263
; Patent No. US20020110547A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; APPLICANT: Stolk, John A.
; APPLICANT: Meagher, Madeleine J.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND
; FILE REFERENCE: 210121.471C12
; CURRENT APPLICATION NUMBER: US/09/833,263
; CURRENT FILING DATE: 2001-04-10
; NUMBER OF SEQ ID NOS: 1093
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1056
; LENGTH: 3311
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-833-263-1056

Query Match 100.0%; Score 248; DB 9; Length 3311;
Best Local Similarity 100.0%; Pred. No. 1.8e-66;
Matches 248; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ACCTGAAGCGGAAATTCACGGGGGCGAGTCTCAATTAATCTGACTTGGACAGCTCTCTGGGG 60
DB 2624 ACCTGAAGCGGAAATTCACGGGGGCGAGTCTCAATTAATCTGACTTGGACAGCTCTCTGGGG 2683
QY 61 ATGATTATGACCATGGAACAGCTCACAAGTATATCATTCGTAATAGTACAGTATTTCTTG 120
DB 2684 ATGATTATGACCATGGAACAGCTCACAAGTATATCATTCGTAATAGTACAGTATTTCTTG 2743

Qy	121	ATCTCAGAGCAAGTTC	CAATCTCTT	CAAGTGAATATCTA	CTGCTCTCATCTCCAAAGG	180
Db	2744	ATCTCAGAGCAAGTTC	CAATGAATCTCT	CAAGTGAATACTACT	GTCTCTCATCTCCAAAGG	2803
Qy	181	AAGCCAACTCTGAGGA	AGTCTTTTT	TGTTTAAACAGAAAA	CATTACTCTTTTGA	240
Db	2804	AAGCCAACTCTGAGGA	AGTCTTTTT	TGTTTAAACAGAAAA	CATTACTCTTTTGA	2863
Qy	241	CAGATCTTT	248			
Db	2864	CAGATCTTT	2871			

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RESULT 13
US-10-025-380-1056
; Sequence 1056, Application US/10025380
; Publication No. US20020182191A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather
; APPLICANT: Benson, Darin R.
; APPLICANT: Meagher, Madeleine Joy
; APPLICANT: Stolk, John A.
; APPLICANT: Wang, Tongtong
; APPLICANT: Jiang, Yuguu
; APPLICANT: Smith, Carole L.
; APPLICANT: King, Gordon E.
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; APPLICANT: Skeiky, Yasir A. W.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Vedvick Thomas S.
; APPLICANT: Carter, Darrick
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; TITLE OF INVENTION: OF COLON CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.471C14
; CURRENT APPLICATION NUMBER: US/10/025,380
; CURRENT FILING DATE: 2001-12-19
; NUMBER OF SEQ ID NOS: 1129
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1056
; LENGTH: 3311
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-025-380-1056

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RESULT 14

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US-10-393-590-11
; Sequence 11, Application US/10393590
; Publication No. US20030190656A1
; GENERAL INFORMATION:
; APPLICANT: WANG, YIXIN
; TITLE OF INVENTION: BREAST CANCER PROGNASTIC PORTFOLIO
; FILE REFERENCE: CDS 268 US NP
; CURRENT APPLICATION NUMBER: US/10/393,590
; CURRENT FILING DATE: 2003-03-21
; PRIOR APPLICATION NUMBER: 60/368,789
; PRIOR FILING DATE: 2002-03-29
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 11
; LENGTH: 3311
; TYPE: DNA
; ORGANISM: human
US-10-393-590-11

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RESULT 15
 US-10-393-590-12
 ; Sequence 12, Application US/10393590
 ; Publication No. US20030190656A1
 ; GENERAL INFORMATION:
 ; APPLICANT: WANG, YIXIN
 ; TITLE OF INVENTION: BREAST CANCER PROGNASTIC PORTFOLIO
 ; FILE REFERENCE: CDS 268 US NP
 ; CURRENT APPLICATION NUMBER: US/10/393,590
 ; CURRENT FILING DATE: 2003-03-21
 ; PRIOR APPLICATION NUMBER: 60/368,789
 ; PRIOR FILING DATE: 2002-03-29
 ; NUMBER OF SEQ ID NOS: 100
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 12
 ; LENGTH: 3311
 ; TYPE: DNA
 ; ORGANISM: human
 US-10-393-590-12

Query Match	100.0%;	Score 248;	DB 15;	Length 3311;
Best Local Similarity	100.0%;	Pred. No. 1.8e-66;		
Matches 248;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	1	ACTGTGAAGCGGAAATTCACGGGGCAGTCTCAATTAATCTGA	CTTGACAGCTCTCTGGG	60
Db	2624	ACTGTGAAGCGGAAATTCACGGGGCAGTCTCAATTAATCTGA	CTTGACAGCTCTCTGGG	2683
Qy	61	ATGATTATGACCATGGAAACAGCTCACAAGTATATATCTCGAA	TAAAGTACAAGTATCTCTG	120

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Db 2684 ATGATTATGACCATGGAAACAGCTCACAGTATATCATTCGAATAAGTACAAAGTATTCCTTG 2743
QY 121 ATCTCAGAGACAAAGTTCAATGAATCTCTTCAAGTGAATACTACTGCTCTCATCCCAAAGG 180
Db 2744 ATCTCAGAGACAAAGTTCAATGAATCTCTTCAAGTGAATACTACTGCTCTCATCCCAAAGG 2803
QY 181 AAGCCAACTCTGAGGAAGTCTTTTGTGTTTAAACCGAGAAACATTACTTTTGAAATGGCA 240
Db 2804 AAGCCAACTCTGAGGAAGTCTTTTGTGTTTAAACCGAGAAACATTACTTTTGAAATGGCA 2863
QY 241 CAGATCTT 248
Db 2864 CAGATCTT 2871
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Job time : 133.72 secs

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Copyright (c) 1993 - 2004 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: April 24, 2004, 00:33:00 ; Search time 22.7962 Seconds
(without alignments)
6037.311 Million cell updates/sec

Title: US-09-049-696-14

Perfect score: 248

Sequence: 1 ACCTGAAGCGGAAATTCAC.....TTGAAATGGCACAGATCTT 248

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Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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6: /cgn2_6/ptodata/2/ina/backfiles.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	248	100.0	878	1	US-08-469-667-8
2	248	100.0	878	4	US-09-224-110-8
3	248	100.0	878	5	PCT-US95-07289-8
4	248	100.0	1512	4	US-09-016-434-850
5	248	100.0	2745	4	US-09-623-624-5
6	248	100.0	3007	4	US-09-193-562D-27
7	149.4	60.2	2931	4	US-09-623-624-1
8	129	52.0	313	4	US-09-049-698-10
9	129	52.0	618	3	US-09-385-982-24
10	129	52.0	1081	4	US-09-016-434-928
11	129	52.0	1399	4	US-09-049-698-17
12	129	52.0	3043	4	US-09-049-698-16
13	129	52.0	3181	4	US-09-049-698-18
14	128.2	51.7	595	3	US-09-385-982-25
15	92.8	37.4	742	3	US-09-385-982-33
16	88.6	35.7	3022	4	US-09-193-562D-33
17	87.4	35.2	3317	4	US-09-193-562D-1
18	84	33.9	242	4	US-09-049-698-11
19	82	33.1	3418	4	US-09-193-562D-29
20	65.8	26.5	335	4	US-09-193-562D-14
21	60	24.2	2773	4	US-09-643-597-358
22	60	24.2	2784	4	US-09-643-597-168
23	60	24.2	2784	4	US-09-480-884A-168
24	60	24.2	2784	4	US-09-542-615A-168
25	60	24.2	2784	4	US-09-606-421B-168
26	60	24.2	3156	4	US-09-919-172-86
27	60	24.2	3362	4	US-09-643-597-167

28	60	24.2	3362	4	US-09-480-884A-167	Sequence 167, App
29	60	24.2	3362	4	US-09-542-615A-167	Sequence 167, App
30	60	24.2	3362	4	US-09-606-421B-167	Sequence 167, App
31	60	24.2	3951	4	US-09-643-597-160	Sequence 160, App
32	60	24.2	3951	4	US-09-480-884A-160	Sequence 160, App
33	60	24.2	3951	4	US-09-542-615A-160	Sequence 160, App
34	60	24.2	3951	4	US-09-606-421B-160	Sequence 160, App
35	60	24.2	3951	4	US-09-221-107-160	Sequence 160, App
36	60	24.2	8031	4	US-09-643-597-254	Sequence 254, App
37	60	24.2	8031	4	US-09-480-884A-254	Sequence 254, App
38	60	24.2	8031	4	US-09-542-615A-254	Sequence 254, App
39	60	24.2	8031	4	US-09-606-421B-254	Sequence 254, App
40	58.4	23.5	2970	4	US-09-193-562D-31	Sequence 31, Appli
41	58.4	23.5	3190	4	US-09-623-624-3	Sequence 23, Appli
42	44.4	17.9	576	3	US-09-385-982-23	Sequence 9, Appli
43	36.8	14.8	233	4	US-09-049-698-9	Sequence 106, App
44	35.6	14.4	4211	4	US-09-004-838-106	Sequence 8976, Ap
45	34.6	14.0	399	4	US-09-621-976-8976	

ALIGNMENTS

RESULT 1
US-08-469-667-8
; Sequence 8, Application US/08469667
; Patent No. 5733748
; GENERAL INFORMATION:
; APPLICANT: Yu, Guo-Liang
; APPLICANT: Rosen, Craig
; TITLE OF INVENTION: Colon Specific Genes and Proteins
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Carella, Byrne, Bain, Gilfillan, Cecchi,
; ADDRESS: Stewart & Olstein
; STREET: 6 Becker Farm Road
; CITY: Roseland
; STATE: NJ
; COUNTRY: USA
; ZIP: 07068-1739
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/469,667
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Ferraro, Gregory D.
; REGISTRATION NUMBER: 36,134
; REFERENCE/DOCKET NUMBER: 325800-435
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-994-1700
; TELEFAX: 201-994-1744
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 2..685
; US-08-469-667-8

Query Match 100.0%; Score 248; DB 1; Length 878;

Best Local Similarity 100.0%; Pred. No. 2.7e-68; Indels 0; Gaps 0;
Matches 248; Conservative 0; Mismatches 0;

QY 1 ACCTGAAGCGGAAATTCACGGGGGAGTCTCATTAATCTGACGCTCTGGGG 60

Db 306 ACCTGAAGCGGAAATTCACGGGGGAGTCTCATTAATCTGACTTGGACAGCTCCTGGGG 365
QY 61 ATGATTATGACCATGGAACAGCTCACAAGTATATCATTCGAATAGTACAAGTATTTCTTG 120
Db 366 ATGATTATGACCATGGAACAGCTCACAAGTATATCATTCGAATAGTACAAGTATTTCTTG 425
QY 121 ATCTCAGAGACAAAGTTCAATGAATCTCTTCAAGTGAATACTACTGCTCTCATCCCAAAGG 180
Db 426 ATCTCAGAGACAAAGTTCAATGAATCTCTTCAAGTGAATACTACTGCTCTCATCCCAAAGG 485
QY 181 AAGCCAACTCTCAGGAAGTCTTTTGTGTTAAACCGAGAAAACATTAATTTTGAATAATGGCA 240
Db 486 AAGCCAACTCTCAGGAAGTCTTTTGTGTTAAACCGAGAAAACATTAATTTTGAATAATGGCA 545
QY 241 CAGATCTT 248
Db 546 CAGATCTT 553

RESULT 2

US-09-224-110-8
; Sequence 8, Application US/09224110
; Patent No. 6337195
; GENERAL INFORMATION:
; APPLICANT: Yu, Guo-Liang
; APPLICANT: Rosen, Craig
; TITLE OF INVENTION: Colon Specific Genes and Proteins
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Carella, Byrne, Bain, Gilfillan, Cecchi,
; ADDRESSEE: Stewart & Olstein
; STREET: 6 Becker Farm Road
; CITY: Roseland
; STATE: NJ
; COUNTRY: USA
; ZIP: 07068-1739
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/224,110
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/469,667
; FILING DATE: 06-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Ferraro, Gregory D.
; REGISTRATION NUMBER: 36,134
; REFERENCE/DOCKET NUMBER: 325800-435
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-994-1700
; TELEFAX: 201-994-1744
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 878 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 2..685
US-09-224-110-8

Query Match 100.0%; Score 248; DB 4; Length 878;
Best Local Similarity 100.0%; Pred. No. 2.7e-68;
Matches 248; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 ACCTGAAGCGGAAATTCACGGGGGAGTCTCATTAATCTGACTTGGACAGCTCCTGGGG 60

Db 306 ACCTGAAGCGGAAATTCACGGGGGAGTCTCATTAATCTGACTTGGACAGCTCCTGGGG 365
QY 61 ATGATTATGACCATGGAACAGCTCACAAGTATATCATTCGAATAGTACAAGTATTTCTTG 120
Db 366 ATGATTATGACCATGGAACAGCTCACAAGTATATCATTCGAATAGTACAAGTATTTCTTG 425
QY 121 ATCTCAGAGACAAAGTTCAATGAATCTCTTCAAGTGAATACTACTGCTCTCATCCCAAAGG 180
Db 426 ATCTCAGAGACAAAGTTCAATGAATCTCTTCAAGTGAATACTACTGCTCTCATCCCAAAGG 485
QY 181 AAGCCAACTCTCAGGAAGTCTTTTGTGTTAAACCGAGAAAACATTAATTTTGAATAATGGCA 240
Db 486 AAGCCAACTCTCAGGAAGTCTTTTGTGTTAAACCGAGAAAACATTAATTTTGAATAATGGCA 545
QY 241 CAGATCTT 248
Db 546 CAGATCTT 553

RESULT 3

PCT-US95-07289-8
; Sequence 8, Application PC/TUS9507289
; GENERAL INFORMATION:
; APPLICANT: Yu, Guo-Liang
; APPLICANT: Rosen, Craig
; TITLE OF INVENTION: Colon Specific Genes and Proteins
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Carella, Byrne, Bain, Gilfillan, Cecchi,
; ADDRESSEE: Stewart & Olstein
; STREET: 6 Becker Farm Road
; CITY: Roseland
; STATE: NJ
; COUNTRY: USA
; ZIP: 07068-1739
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/07289
; FILING DATE: 06-JUN-1995
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Ferraro, Gregory D.
; REGISTRATION NUMBER: 36,134
; REFERENCE/DOCKET NUMBER: 325800-265
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-994-1700
; TELEFAX: 201-994-1744
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 878 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 2..685
PCT-US95-07289-8

Query Match 100.0%; Score 248; DB 5; Length 878;
Best Local Similarity 100.0%; Pred. No. 2.7e-68;
Matches 248; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 ACCTGAAGCGGAAATTCACGGGGGAGTCTCATTAATCTGACTTGGACAGCTCCTGGGG 60
Db 306 ACCTGAAGCGGAAATTCACGGGGGAGTCTCATTAATCTGACTTGGACAGCTCCTGGGG 365
QY 61 ATGATTATGACCATGGAACAGCTCACAAGTATATCATTCGAATAGTACAAGTATTTCTTG 120

Db 366 ATGATTATGACCATGGAACAGCTCAACAGTATATCATTCGAATAAGTACAAGTATTCCTTG 425
QY 121 ATCTCAGACACAAGTTCAATGAATCTCTTCAAGTGAATACTACTGCTCTCATCCCAAGG 180
Db 426 ATCTCAGACACAAGTTCAATGAATCTCTTCAAGTGAATACTACTGCTCTCATCCCAAGG 485
QY 181 AAGCCAACTCTCAGGAAGTCTTTTGTGTTTAAACCAAGAAACATTAATCTTTGAAATGGCA 240
Db 486 AAGCCAACTCTCAGGAAGTCTTTTGTGTTTAAACCAAGAAACATTAATCTTTGAAATGGCA 545
QY 241 CAGATCTT 248
Db 546 CAGATCTT 553

RESULT 4

US-09-016-434-850
; Sequence 850, Application US/09016434
; Patent No. 6500938
; GENERAL INFORMATION:
; APPLICANT: Janice Au-Young
; APPLICANT: Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING
; TITLE OF INVENTION: PATHWAY GENE EXPRESSION
; NUMBER OF SEQUENCES: 1490
; CORRESPONDENCE ADDRESS:
; ADDRESSES: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/016,434
; FILING DATE: HEREWITH
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Zeller, Karen J.
; REGISTRATION NUMBER: 37,071
; REFERENCE/DOCKET NUMBER: PA-0002 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 850:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1512 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: COLNNOT01
; CLONE: 608819
US-09-016-434-850

Query Match 100.0%; Score 248; DB 4; Length 1512;
Best Local Similarity 100.0%; Pred. No. 3.3e-68;
Matches 248; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 ACCTGAAGCGGAAATTCACGGGGCAGTCTCATTAATCTGACTTGGACAGCTCCTGGGG 60
Db 997 ACCTGAAGCGGAAATTCACGGGGCAGTCTCATTAATCTGACTTGGACAGCTCCTGGGG 1056
QY 61 ATGATTATGACCATGGAACAGCTCAACAGTATATCATTCGAATAAGTACAAGTATTCCTTG 120

Db 1057 ATGATTATGACCATGGAACAGCTCAACAGTATATCATTCGAATAAGTACAAGTATTCCTTG 1116
QY 121 ATCTCAGACACAAGTTCAATGAATCTCTTCAAGTGAATACTACTGCTCTCATCCCAAGG 180
Db 1117 ATCTCAGACACAAGTTCAATGAATCTCTTCAAGTGAATACTACTGCTCTCATCCCAAGG 1176
QY 181 AAGCCAACTCTCAGGAAGTCTTTTGTGTTTAAACCAAGAAACATTAATCTTTGAAATGGCA 240
Db 1177 AAGCCAACTCTCAGGAAGTCTTTTGTGTTTAAACCAAGAAACATTAATCTTTGAAATGGCA 1236
QY 241 CAGATCTT 248
Db 1237 CAGATCTT 1244

RESULT 5

US-09-623-624-5
; Sequence 5, Application US/09623624
; Patent No. 6576434
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/09/623,624
; CURRENT FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,472
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,110
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,168
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/980,872
; PRIOR FILING DATE: 1997-12-01
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 5
; LENGTH: 2745
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(2742)
US-09-623-624-5

Query Match 100.0%; Score 248; DB 4; Length 2745;
Best Local Similarity 100.0%; Pred. No. 4.2e-68;
Matches 248; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 ACCTGAAGCGGAAATTCACGGGGCAGTCTCATTAATCTGACTTGGACAGCTCCTGGGG 60
Db 2273 ACCTGAAGCGGAAATTCACGGGGCAGTCTCATTAATCTGACTTGGACAGCTCCTGGGG 2332
QY 61 ATGATTATGACCATGGAACAGCTCAACAGTATATCATTCGAATAAGTACAAGTATTCCTTG 120

Db 2333 ATGATTATGACCATGGAACAGCTCACAGTATATCATTCGAAATAGTACAAGTATTTTG 2392
QY 121 ATCTCAGAGACAAGTTCAATGAATCTTTCAAGTGAATACTGCTCTCATCCCAAAGG 180
Db 2393 ATCTCAGAGACAAGTTCAATGAATCTTTCAAGTGAATACTGCTCTCATCCCAAAGG 2452
QY 181 AAGCCAATCTCAGGAAGTCTTTTGTGTTAAACCCAGAAAAACATTACTTTGAAAAATGGCA 240
Db 2453 AAGCCAATCTCAGGAAGTCTTTTGTGTTAAACCCAGAAAAACATTACTTTGAAAAATGGCA 2512
QY 241 CAGATCTT 248
Db 2513 CAGATCTT 2520

RESULT 6

US-09-193-562D-27
; Sequence 27, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; CURRENT FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 27
; LENGTH: 3007
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-193-562D-27

Query Match 100.0%; Score 248; DB 4; Length 3007;
Best Local Similarity 100.0%; Pred. No. 4.4e-68;
Matches 248; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 ACCTGAAGCGGAAATTCACGGGGGAGTCTCATTAATCTGACTTGGACAGCTCTCTGGG 60
Db 2319 ACCTGAAGCGGAAATTCACGGGGGAGTCTCATTAATCTGACTTGGACAGCTCTCTGGG 2378
QY 61 ATGATTATGACCATGGAACAGCTCACAGTATATCATTCGAAATAGTACAAGTATTTTG 120
Db 2379 ATGATTATGACCATGGAACAGCTCACAGTATATCATTCGAAATAGTACAAGTATTTTG 2438
QY 121 ATCTCAGAGACAAGTTCAATGAATCTTTCAAGTGAATACTGCTCTCATCCCAAAGG 180
Db 2439 ATCTCAGAGACAAGTTCAATGAATCTTTCAAGTGAATACTGCTCTCATCCCAAAGG 2498
QY 181 AAGCCAATCTCAGGAAGTCTTTTGTGTTAAACCCAGAAAAACATTACTTTGAAAAATGGCA 240
Db 2499 AAGCCAATCTCAGGAAGTCTTTTGTGTTAAACCCAGAAAAACATTACTTTGAAAAATGGCA 2558
QY 241 CAGATCTT 248
Db 2559 CAGATCTT 2566

RESULT 7

US-09-623-624-1
; Sequence 1, Application US/09623624
; Patent No. 6576434
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/09/623,624
; CURRENT FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703

; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,472
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,110
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,168
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/980,872
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 1
; LENGTH: 2931
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (8)..(2746)
US-09-623-624-1

Query Match 60.2%; Score 149.4; DB 4; Length 2931;
Best Local Similarity 75.3%; Pred. No. 3.2e-37;
Matches 186; Conservative 0; Mismatches 61; Indels 0; Gaps 0;
QY 1 ACCTGAAGCGGAAATTCACGGGGGAGTCTCATTAATCTGACTTGGACAGCTCTCTGGG 60
Db 2280 ACCTGAAGCGGAAATTCACGGGGGAGTCTCATTAATCTGACTTGGACAGCTCTCTGGG 2339
QY 61 ATGATTATGACCATGGAACAGCTCACAGTATATCATTCGAAATAGTACAAGTATTTTG 120
Db 2340 ATGATTATGACCATGGAACAGCTCACAGTATATCATTCGAAATAGTACAAGTATTTTG 2399
QY 121 ATCTCAGAGACAAGTTCAATGAATCTTTCAAGTGAATACTGCTCTCATCCCAAAGG 180
Db 2400 ATCTCAGAGACAAGTTCAATGAATCTTTCAAGTGAATACTGCTCTCATCCCAAAGG 2459
QY 181 AAGCCAATCTCAGGAAGTCTTTTGTGTTAAACCCAGAAAAACATTACTTTGAAAAATGGCA 240
Db 2460 AAGCCAATCTCAGGAAGTCTTTTGTGTTAAACCCAGAAAAACATTACTTTGAAAAATGGCA 2519
QY 241 CAGATCTT 247
Db 2520 CAGATCTT 2526

RESULT 8

US-09-049-698-10
; Sequence 10, Application US/09049698
; Patent No. 6368792
; GENERAL INFORMATION:
; APPLICANT: BILLING-MEDEL, PATRICIA A.
; APPLICANT: COHEN, MAURICE
; APPLICANT: COLPITTS, TRACEY L.
; APPLICANT: FRIEDMAN, PAULA N.
; APPLICANT: HAYDEN, MARK
; APPLICANT: KLASS, MICHAEL R.
; APPLICANT: ROBERTS-RAPP, LISA
; APPLICANT: RUSSELL, JOHN C.
; APPLICANT: STROUPE, STEPHEN D.

;; TITLE OF INVENTION: REAGENTS AND METHODS FOR THE
;; TITLE OF INVENTION: USEFUL FOR DETECTING DISEASES OF THE GASTROINTESTINAL
;; TITLE OF INVENTION: TRACT
;; NUMBER OF SEQUENCES: 51
;; CORRESPONDENCE ADDRESS:
;; ADDRESS: Abbott Laboratories
;; STREET: 100 Abbott Park Road
;; CITY: Abbott Park
;; STATE: IL
;; COUNTRY: USA
;; ZIP: 60064-3500
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Diskette
;; COMPUTER: IBM Compatible
;; OPERATING SYSTEM: DOS
;; SOFTWARE: FastSeq for Windows Version 2.0
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/09/049,698
;; FILING DATE:
;; CLASSIFICATION:
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 08/828,856
;; FILING DATE: 31-MAR-1997
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Becker, Cheryl L.
;; REGISTRATION NUMBER: 35,441
;; REFERENCE/DOCKET NUMBER: 6068.US.P1
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 847/935-1729
;; TELEFAX: 847/938-2623
;; TELEX:
;; INFORMATION FOR SEQ ID NO: 10:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 313 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; FEATURE:
;; NAME/KEY: base_polymorphism
;; LOCATION: 22
;; OTHER INFORMATION: /note= " N' represents an A or G or
;; OTHER INFORMATION: T or C polymorphism at this position"
;; FEATURE:
;; NAME/KEY: base_polymorphism
;; LOCATION: 44
;; OTHER INFORMATION: /note= " N' represents an A or G or
;; OTHER INFORMATION: T or C polymorphism at this position"
;; US-09-049-698-10

Query Match 52.0%; Score 129; DB 4; Length 313;
Best Local Similarity 76.1%; Pred. No. 3.3e-31;
Matches 159; Conservative 0; Mismatches 50; Indels 0; Gaps 0;
QY 33 ATTAATCTGACTTGGACAGCTCTCTGGGATGATTATGACCATCGGAACAGCTCACAAGTAT 92
DB 56 ATTTATCTTACATGGACAGCAGGAGATAATTTTGATGTTGGAAAAGTTCAACGTTAT 115
QY 93 ATCAATCGAATAGTACAGTATCTTGATCTCAGAGACAAGTCAATCAATCTCTTCAA 152
DB 116 ATCAATAGAAATAGTCAAGTATCTTGATCTCAGAGACAAGTCAATCAATCTCTTCAA 175
QY 153 GTGAATCTACTGCTCTCATCCAAAGGAAGCAACTCTGAGGAAGTCTTTTGTGTTTAA 212
DB 176 GTAATCTACTGATCTGTCCAAAGGAGGCAACTCCAAAGGAAGTCTTGCAATTTAA 235
QY 213 CCAGAAAACATTACTTTTGAATAATGGCAC 241
DB 236 CCAGAAAATATCTCAGAGAAAATGCAAC 264

RESULT 9
US-09-385-982-24/c
; Sequence 24, Application US/09385982

;; Patent No. 6262334
;; GENERAL INFORMATION:
;; APPLICANT: ENDEGE, WILSON O., ET AL.
;; TITLE OF INVENTION: NOVEL HUMAN GENES AND GENE EXPRESSION
;; TITLE OF INVENTION: PRODUCTS: II
;; FILE REFERENCE: CCNA-260XX
;; CURRENT APPLICATION NUMBER: US/09/385,982
;; CURRENT FILING DATE: 1999-08-30
;; EARLIER APPLICATION NUMBER: 09/328,111
;; EARLIER FILING DATE: 1999-06-08
;; EARLIER APPLICATION NUMBER: 60/117,393
;; EARLIER FILING DATE: 1999-01-27
;; EARLIER APPLICATION NUMBER: 60/098,639
;; EARLIER FILING DATE: 1998-08-31
;; NUMBER OF SEQ ID NOS: 544
;; SOFTWARE: FastSeq for Windows Version 3.0
;; SEQ ID NO 24
;; LENGTH: 618
;; TYPE: DNA
;; ORGANISM: Homo sapiens
;; FEATURE:
;; NAME/KEY: misc feature
;; LOCATION: (1)-(618)
;; OTHER INFORMATION: n = A,T,C or G
;; US-09-385-982-24

Query Match 52.0%; Score 129; DB 3; Length 618;
Best Local Similarity 76.1%; Pred. No. 4.3e-31;
Matches 159; Conservative 0; Mismatches 50; Indels 0; Gaps 0;
QY 33 ATTAATCTGACTTGGACAGCTCTCTGGGATGATTATGACCATCGGAACAGCTCACAAGTAT 92
DB 441 ATTATCTTACATGGACAGCAGGAGATAATTTTGATGTTGGAAAAGTTCAACGTTAT 382
QY 93 ATCAATCGAATAGTACAGTATCTTGATCTCAGAGACAAGTCAATCAATCTCTTCAA 152
DB 381 ATCAATAGAAATAGTCAAGTATCTTGATCTCAGAGACAAGTCAATCAATCTCTTCAA 322
QY 153 GTGAATCTACTGCTCTCATCCAAAGGAAGCAACTCTGAGGAAGTCTTTTGTGTTTAA 212
DB 321 GTAATCTACTGATCTGTCCAAAGGAGGCAACTCCAAAGGAAGTCTTGCAATTTAA 262
QY 213 CCAGAAAACATTACTTTTGAATAATGGCAC 241
DB 261 CCAGAAAATATCTCAGAGAAAATGCAAC 233

RESULT 10
US-09-016-434-928
; Sequence 928, Application US/09016434
; Patent No. 6500938
;; GENERAL INFORMATION:
;; APPLICANT: Janice Au-Young
;; APPLICANT: Jeffrey J. Seilhamer
;; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING
;; TITLE OF INVENTION: PATHWAY GENE EXPRESSION
;; NUMBER OF SEQUENCES: 1490
;; CORRESPONDENCE ADDRESS:
;; ADDRESS: INCYTE PHARMACEUTICALS, INC.
;; STREET: 3174 PORTER DRIVE
;; CITY: PALO ALTO
;; STATE: CALIFORNIA
;; COUNTRY: USA
;; ZIP: 94304
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/09/016,434
;; FILING DATE: HERewith
;; CLASSIFICATION:

;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 37,071
;; FILING DATE: 31-MAR-1997
;; CLASSIFICATION: 08/828.856
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Zeller, Karen J.
;; REGISTRATION NUMBER: 37,071
;; REFERENCE/DOCKET NUMBER: PA-0002 US
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (650) 855-0555
;; TELEFAX: (650) 845-4166
;; INFORMATION FOR SEQ ID NO: 928:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 1081 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; IMMEDIATE SOURCE:
;; LIBRARY: COLNNOT05
;; CLONE: 774419
;; US-09-016-434-928

Query Match 52.0%; Score 129; DB 4; Length 1081;
Best Local Similarity 76.1%; Pred. No. 5.4e-31;
Matches 159; Conservative 0; Mismatches 50; Indels 0; Gaps 0;

QY 33 ATTAATCTGACCTGACAGCTCTCTGGGATGATTATGACCATGGAACAGCTCACAAGTAT 92
DB 550 ATTATTTCTACATGACAGCAGCAGAGAGATAATTTTGATGTTGGAAAAGTTCAACGTTAT 609
QY 93 ATCAATCGAATAAGTACAAAGTATTTCTGATCTCAGAGACAAAGTTCATGAATCTCTTCAA 152
DB 610 ATCAATAAGTAAGTACAAAGTATTTCTGATCTCAGAGACAGTTTTCATGATGCTCTTCAA 669
QY 153 GTGAATACCTACTGCTCTCTATCCCAAGGAAGCAACTCTGAGAACTCTTTTGTGTTAAA 212
DB 670 GTAAATACCTACTGATCTGTCCAAAGGAGGCAACTCCAAAGGAAGCTTTGCAATTTAA 729
QY 213 CCAGAAACATTTACTTTTGAATGCGAC 241
DB 730 CCAGAAATATCTCAGAAAGAAATGCAAC 758

RESULT 11
US-09-049-698-17
; Sequence 17, Application US/09049698
; Patent No. 6368792
; GENERAL INFORMATION:
; APPLICANT: BILLING-MEDEL, PATRICIA A.
; APPLICANT: COHEN, MAURICE
; APPLICANT: COLPITTS, TRACEY L.
; APPLICANT: FRIEDMAN, PAULA N.
; APPLICANT: HAYDEN, MARK
; APPLICANT: KLASS, MICHAEL R.
; APPLICANT: ROBERTS-RAPP, LISA
; APPLICANT: RUSSELL, JOHN C.
; APPLICANT: STROUPE, STEPHEN D.
; TITLE OF INVENTION: REAGENTS AND METHODS FOR THE
; TITLE OF INVENTION: USEFUL FOR DETECTING DISEASES OF THE GASTROINTESTINAL
; TRACT
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Abbott Laboratories
; STREET: 100 Abbott Park Road
; CITY: Abbott Park
; STATE: IL
; COUNTRY: USA
; ZIP: 60064-3500
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSEQ for Windows Version 2.0

;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/09/049,698
;; FILING DATE:
;; CLASSIFICATION:
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 08/828.856
;; FILING DATE: 31-MAR-1997
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Becker, Cheryl L.
;; REGISTRATION NUMBER: 35,441
;; REFERENCE/DOCKET NUMBER: 6068.US.P1
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 847/935-1729
;; TELEFAX: 847/938-2623
;; TELEX:
;; INFORMATION FOR SEQ ID NO: 17:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 1399 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; US-09-049-698-17

Query Match 52.0%; Score 129; DB 4; Length 1399;
Best Local Similarity 76.1%; Pred. No. 5.9e-31;
Matches 159; Conservative 0; Mismatches 50; Indels 0; Gaps 0;

QY 33 ATTAATCTGACCTGACAGCTCTCTGGGATGATTATGACCATGGAACAGCTCACAAGTAT 92
DB 550 ATTATTTCTACATGACAGCAGCAGAGAGATAATTTTGATGTTGGAAAAGTTCAACGTTAT 609
QY 93 ATCAATCGAATAAGTACAAAGTATTTCTGATCTCAGAGACAAAGTTCATGAATCTCTTCAA 152
DB 610 ATCAATAAGTAAGTACAAAGTATTTCTGATCTCAGAGACAGTTTTCATGATGCTCTTCAA 669
QY 153 GTGAATACCTACTGCTCTCTATCCCAAGGAAGCAACTCTGAGAACTCTTTTGTGTTAAA 212
DB 670 GTAAATACCTACTGATCTGTCCAAAGGAGGCAACTCCAAAGGAAGCTTTGCAATTTAA 729
QY 213 CCAGAAACATTTACTTTTGAATGCGAC 241
DB 730 CCAGAAATATCTCAGAAAGAAATGCAAC 758

RESULT 12
US-09-049-698-16
; Sequence 16, Application US/09049698
; Patent No. 6368792
; GENERAL INFORMATION:
; APPLICANT: BILLING-MEDEL, PATRICIA A.
; APPLICANT: COHEN, MAURICE
; APPLICANT: COLPITTS, TRACEY L.
; APPLICANT: FRIEDMAN, PAULA N.
; APPLICANT: HAYDEN, MARK
; APPLICANT: KLASS, MICHAEL R.
; APPLICANT: ROBERTS-RAPP, LISA
; APPLICANT: RUSSELL, JOHN C.
; APPLICANT: STROUPE, STEPHEN D.
; TITLE OF INVENTION: REAGENTS AND METHODS FOR THE
; TITLE OF INVENTION: USEFUL FOR DETECTING DISEASES OF THE GASTROINTESTINAL
; TRACT
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Abbott Laboratories
; STREET: 100 Abbott Park Road
; CITY: Abbott Park
; STATE: IL
; COUNTRY: USA
; ZIP: 60064-3500
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS

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/ SOFTWARE: FastSEQ for Windows Version 2.0
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/09/049,698
/ FILING DATE:
/ CLASSIFICATION:
/ PRIOR APPLICATION DATA: 08/828,856
/ FILING DATE: 31-MAR-1997
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Becker, Cheryl L.
/ REGISTRATION NUMBER: 35,441
/ REFERENCE/DOCKET NUMBER: 6068.US.P1
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 847/935-1729
/ TELEFAX: 847/938-2623
/ TELEX:
/ INFORMATION FOR SEQ ID NO: 16:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 3043 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ US-09-049-698-16

Query Match 52.0%; Score 129; DB 4; Length 3043;
Best Local Similarity 76.1%; Pred. No. 8e-31;
Matches 159; Conservative 0; Mismatches 50; Indels 0; Gaps 0;

QY 33 ATTAATCTGACTGGACAGCTCTGGGATGATTGACCATGGACAGCTCACAAGTAT 92
Db 2321 ATTATTTTACATGGACAGCACCAGAGATAATTTTGATGTGGAAAAGTTCAACGTTAT 2380

QY 93 ATCATTCGAATAAGTACAAGTATTTTGATCTCAGAGACAAGTTCAATGAATCTCTTCAA 152
Db 2381 ATCATAGAATAAGTCAAGTATTTTGATCTAAGAGACAGTTTTCATGATGCTCTTCAA 2440

QY 153 GTGAATACTACTGCTCTCATCCCAAAGGAGCAACTCTGAGGAAGTCTTTTGTGTTAAA 212
Db 2441 GTAAATACTACTGATCTGTCCCAAAGGAGGCAACTCCAAAGGAAGCTTTTGCAATTTAAA 2500

QY 213 CCAGAAAACATTACTTTTGAATGCGAC 241
Db 2501 CCAGAAAATATCTCAGAGAAAATGCAAC 2529

RESULT 13
US-09-049-698-18
/ Sequence 18, Application US/09049698
/ Patent No. 6368792
/ GENERAL INFORMATION:
/ APPLICANT: BILLING-MEDEL, PATRICIA A.
/ APPLICANT: COHEN, MAURICE
/ APPLICANT: COLPITTS, TRACEY L.
/ APPLICANT: FRIEDMAN, PAULA N.
/ APPLICANT: HAYDEN, MARK
/ APPLICANT: KLASS, MICHAEL R.
/ APPLICANT: ROBERTS-RAPP, LISA
/ APPLICANT: RUSSELL, JOHN C.
/ APPLICANT: STROUPE, STEPHEN D.
/ TITLE OF INVENTION: REAGENTS AND METHODS FOR THE
/ TITLE OF INVENTION: USEFUL FOR DETECTING DISEASES OF THE GASTROINTESTINAL
/ TITLE OF INVENTION: TRACT
/ NUMBER OF SEQUENCES: 51
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Abbott Laboratories
/ STREET: 100 Abbott Park Road
/ CITY: Abbott Park
/ STATE: IL
/ COUNTRY: USA
/ ZIP: 60064-3500
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Diskette
/ COMPUTER: IBM Compatible
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/ OPERATING SYSTEM: DOS
/ SOFTWARE: FastSEQ for Windows Version 2.0
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/09/049,698
/ FILING DATE:
/ CLASSIFICATION:
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 08/828,856
/ FILING DATE: 31-MAR-1997
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Becker, Cheryl L.
/ REGISTRATION NUMBER: 35,441
/ REFERENCE/DOCKET NUMBER: 6068.US.P1
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 847/935-1729
/ TELEFAX: 847/938-2623
/ TELEX:
/ INFORMATION FOR SEQ ID NO: 18:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 3181 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ US-09-049-698-18

Query Match 52.0%; Score 129; DB 4; Length 3181;
Best Local Similarity 76.1%; Pred. No. 8.2e-31;
Matches 159; Conservative 0; Mismatches 50; Indels 0; Gaps 0;

QY 33 ATTATCTGACTGGACAGCTCTGGGATGATTGACCATGGACAGCTCACAAGTAT 92
Db 2332 ATTATTTTACATGGACAGCACCAGAGATAATTTTGATGTGGAAAAGTTCAACGTTAT 2391

QY 93 ATCATTCGAATAAGTACAAGTATTTTGATCTCAGAGACAAGTTCAATGAATCTCTTCAA 152
Db 2392 ATCATAGAATAAGTCAAGTATTTTGATCTAAGAGACAGTTTTCATGATGCTCTTCAA 2451

QY 153 GTGAATACTACTGCTCTCATCCCAAAGGAGCAACTCTGAGGAAGTCTTTTGTGTTAAA 212
Db 2452 GTAAATACTACTGATCTGTCCCAAAGGAGGCAACTCCAAAGGAAGCTTTTGCAATTTAAA 2511

QY 213 CCAGAAAACATTACTTTTGAATGCGAC 241
Db 2512 CCAGAAAATATCTCAGAGAAAATGCAAC 2540

RESULT 14
US-09-385-982-25
/ Sequence 25, Application US/09385982
/ Patent No. 6262334
/ GENERAL INFORMATION:
/ APPLICANT: ENDEGE, WILSON O., ET AL.
/ TITLE OF INVENTION: NOVEL HUMAN GENES AND GENE EXPRESSION
/ TITLE OF INVENTION: PRODUCTS: II
/ FILE REFERENCE: CCDNA-260XX
/ CURRENT APPLICATION NUMBER: US/09/385,982
/ CURRENT FILING DATE: 1999-08-30
/ EARLIER APPLICATION NUMBER: 03/328,111
/ EARLIER FILING DATE: 1999-06-08
/ EARLIER APPLICATION NUMBER: 60/117,393
/ EARLIER FILING DATE: 1999-01-27
/ EARLIER APPLICATION NUMBER: 60/098,639
/ EARLIER FILING DATE: 1998-08-31
/ NUMBER OF SEQ ID NOS: 544
/ SOFTWARE: FastSEQ for Windows Version 3.0
/ SEQ ID NO 25
/ LENGTH: 595
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ FEATURE:
/ NAME/KEY: misc_feature
/ LOCATION: (1)...(595)
/ OTHER INFORMATION: n = A,T,C or G
```


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OM nucleic - protein search, using frame_plus_n2p model

Run on: April 21, 2004, 16:13:49 ; Search time 35.7047 Seconds
(without alignments)
3840.718 Million cell updates/sec

Title: US-09-049-696-14

Perfect score: 427
Sequence: 1 AACTGAAGCGGAATTCAC.....TTGAAATATGACACAGATCTT 248

Scoring table: BLOSUM62
Xgapop 10.0 , Xgapext 0.5
Ygapop 10.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 1133595 seqs, 276475211 residues

Total number of hits satisfying chosen parameters: 2267190

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Command line parameters:
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-TRANS-human40.cdi -LIST=45 -DOALIGN=200 -THR SCORE=pct -THR MAX=100
-THR MIN=0 -ALIGN=15 -MODE=LOCAL -OUTFMT=ptc -NORM=ext -HEADSIZE=500 -MINLEN=0
-MAXLEN=200000000 -USER=US09049696@cgn 1 1 139 @runat_21042004_154838_21265
-NCPU=6 -ICPU=3 -NO MMAP -LARGEQUERY -NEG SCORES=0 -WAIT -DSPBLOCK=100
-LONGLOG -DEV TIMEOUT=120 -WARN TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5
-FGAPOP=6 -FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database : Published Applications AA:

- 1: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep.*
- 2: /cgn2_5/ptodata/2/pubpaa/PCT_NEW_PUB.pep.*
- 3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep.*
- 4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep.*
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- 9: /cgn2_6/ptodata/2/pubpaa/US09A_PUBCOMB.pep.*
- 10: /cgn2_6/ptodata/2/pubpaa/US09B_PUBCOMB.pep.*
- 11: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pep.*
- 12: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep.*
- 13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pep.*
- 14: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep.*
- 15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pep.*
- 16: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
- 17: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep.*
- 18: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description

1	427	100.0	228	12	US-09-988-292-9	Sequence 9, Appli
2	427	100.0	869	14	US-10-106-698-6388	Sequence 6388, Ap
3	427	100.0	914	9	US-09-823-356-8	Sequence 8, Appli
4	427	100.0	914	9	US-09-922-217-1066	Sequence 1066, Ap
5	427	100.0	914	9	US-09-833-263-1066	Sequence 1066, Ap
6	427	100.0	914	9	US-09-981-353-192	Sequence 192, App
7	427	100.0	914	11	US-09-833-245-2054	Sequence 2054, Ap
8	427	100.0	914	13	US-10-025-380-1066	Sequence 1066, Ap
9	427	100.0	914	14	US-10-055-4128-28	Sequence 28, Appl
10	427	100.0	914	14	US-10-270-595-6	Sequence 6, Appli
11	427	100.0	914	14	US-10-235-994-26	Sequence 26, Appl
12	427	100.0	914	14	US-10-060-255-42	Sequence 42, Appl
13	427	100.0	925	9	US-09-764-868-635	Sequence 635, App
14	427	100.0	925	14	US-10-106-698-6248	Sequence 6248, Ap
15	422	98.8	914	15	US-10-369-214-133	Sequence 133, App
16	421	98.6	552	14	US-10-106-698-4628	Sequence 4628, Ap
17	304	71.2	913	14	US-10-270-595-2	Sequence 2, Appli
18	304	71.2	913	15	US-10-369-214-132	Sequence 132, App
19	259.5	60.8	917	9	US-09-981-353-54	Sequence 54, Appl
20	259.5	60.8	917	13	US-10-025-167-41	Sequence 41, Appl
21	259.5	60.8	917	14	US-10-235-994-16	Sequence 16, Appl
22	259.5	60.8	917	14	US-10-345-680-32	Sequence 32, Appl
23	259.5	60.8	917	15	US-10-369-214-134	Sequence 134, App
24	259.5	60.8	917	15	US-10-087-080-34	Sequence 34, Appl
25	259.5	60.8	919	9	US-09-989-722-379	Sequence 379, App
26	259.5	60.8	919	9	US-09-989-723-379	Sequence 379, App
27	259.5	60.8	919	9	US-09-989-727-379	Sequence 379, App
28	259.5	60.8	919	9	US-09-989-727-379	Sequence 379, App
29	259.5	60.8	919	9	US-09-989-731-379	Sequence 379, App
30	259.5	60.8	919	9	US-09-989-732-379	Sequence 379, App
31	259.5	60.8	919	9	US-09-991-073-379	Sequence 379, App
32	259.5	60.8	919	9	US-09-990-442-379	Sequence 379, App
33	259.5	60.8	919	9	US-09-991-163-379	Sequence 379, App
34	259.5	60.8	919	9	US-09-993-604-379	Sequence 379, App
35	259.5	60.8	919	9	US-09-980-456-379	Sequence 379, App
36	259.5	60.8	919	9	US-09-989-721-379	Sequence 379, App
37	259.5	60.8	919	9	US-09-992-598-379	Sequence 379, App
38	259.5	60.8	919	9	US-09-989-293A-379	Sequence 379, App
39	259.5	60.8	919	9	US-09-989-735-379	Sequence 379, App
40	259.5	60.8	919	9	US-09-990-444-379	Sequence 379, App
41	259.5	60.8	919	9	US-09-981-181-379	Sequence 379, App
42	259.5	60.8	919	9	US-09-989-730-379	Sequence 379, App
43	259.5	60.8	919	9	US-09-990-436-379	Sequence 379, App
44	259.5	60.8	919	9	US-09-993-687-379	Sequence 379, App
45	259.5	60.8	919	10	US-09-989-734-379	Sequence 379, App

ALIGNMENTS

RESULT 1

US-09-988-292-9
; Sequence 9, Application US/09988292
; Publication No. US20020086314A1
; GENERAL INFORMATION:
; APPLICANT: Yu, Guo-Liang
; Rosen, Craig
; TITLE OF INVENTION: Colon Specific Genes and Proteins
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSES: Carella, Byrne, Bain, Gilfillan, Cecchi,
; Stewart & Olstein
; STREET: 6 Becker Farm Road
; CITY: Roseland
; STATE: NJ
; COUNTRY: USA
; ZIP: 07068-1739
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/988,292

FILING DATE: 19-Nov-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/224,110
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Ferraro, Gregory D.
REGISTRATION NUMBER: 36,134
REFERENCE/DOCKET NUMBER: 325800-435
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-994-1700
TELEFAX: 201-994-1744
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 228 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 9:
US-09-988-292-9

Alignment Scores:
Pred. No.: 1,1e-45 Length: 228
Score: 427.00 Matches: 82
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 12 Gaps: 0

US-09-049-696-14 (1-248) x US-09-988-292-9 (1-228)

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QY 63 GATTATGACCATGGAACAGCTCAAGTATATCATTCGAATAAGTACAAGTATCTTGTAT 122
Db 123 AspTyrAspHisGlyThrAlaHisLysTyrIleIleArgIleSerThrSerIleLeuAsp 142
QY 123 CTGAGACAGAGTTCATGATGATCTCTTCAGTGAATACTACTGCTCTCATCCCAAGGAA 182
Db 143 LeuArgAspLysPheAsnGluSerLeuGlnValAsnThrThrAlaLeuIleProLysGlu 162
QY 183 GCCAACTCTCAGGAAGTCTTTTGTTTTAAACACAGAAAACATTACTTTGAAAATGGCACA 242
Db 163 AlaAsnSerGluGluValPheLeuPheLysProGluAsnIleThrPheGluAsnGlyThr 182
QY 243 GATCTT 248
Db 183 AspLeu 184

RESULT 2
US-10-106-698-6388
Sequence 6388, Application US/10106698
Publication No. US20030109690A1
GENERAL INFORMATION:
APPLICANT: Ruben et al.
TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptides
FILE REFERENCE: PA003P1
CURRENT APPLICATION NUMBER: US/10/106,698
CURRENT FILING DATE: 2002-03-27
PRIOR APPLICATION NUMBER: PCT/US00/26524
PRIOR FILING DATE: 2000-09-28
PRIOR APPLICATION NUMBER: US 60/157,137
PRIOR FILING DATE: 1999-09-29
PRIOR APPLICATION NUMBER: US 60/163,280
PRIOR FILING DATE: 1999-11-03
NUMBER OF SEQ ID NOS: 8564
SOFTWARE: PatentIn Ver. 3.0
SEQ ID NO 6388
LENGTH: 869
TYPE: PRT
ORGANISM: Homo sapiens

Query Match: 100.00% Indels: 0
DB: 9 Gaps: 0
US-09-049-696-14 (1-248) x US-09-823-356-8 (1-914)
QY 3 CTGAAGCGGAATTCACGGGGCAGTCTCATTATCTGACTTGGACAGCTCTCTGGGAT 62
DB 759 LeuLysAlaGluLeuHisGlySerLeuLeuAsnLeuThrTrpThrAlaProGlyAsp 778
QY 63 GATTATGACCATGGAACAGCTCACAGTATATCATTCGAATAAGTACAAGTATCTTGAT 122
DB 779 AspTyrAspHisGlyThrAlaHisLysTyrIleleArgIleSerThrSerileLeuAsp 798
QY 123 CTCAGAGACAAGTTCATGAATCTTCAAGTGAATATCTGCTCTCATCCCAAGGAA 182
DB 799 LeuArgAspLysPheAsnGluSerLeuGlnValAsnThrThrAlaLeuileProLysGlu 818
QY 183 GCCAACTCTGAGGAAGTCTTTTGTAAACAGAAACATTACTTTTCAAAATGCGACA 242
DB 819 AlaAsnSerGluGluValPheLeuPheLysProGluAsnIleThrPheGluAsnGlyThr 838
QY 243 GATCTT 248
DB 839 AspLeu 840
RESULT 4
US-09-922-217-1066
; Sequence 1066, Application US/09922217
; Patent No. US20020076414A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather
; APPLICANT: Benson, Darin R.
; APPLICANT: Meagher, Madeleine Joy
; APPLICANT: Stoik, John A.
; APPLICANT: Wang, Jingtong
; APPLICANT: Jiang, Yugu
; APPLICANT: Smith, Carole Lynn
; APPLICANT: King, Gordon E.
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; FILE REFERENCE: 210121.471C13
; CURRENT APPLICATION NUMBER: US/09/922,217
; NUMBER OF SEQ ID NOS: 1124
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1066
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-922-217-1066
Alignment Scores:
Pred. No.: 1.52e-45 Length: 914
Score: 427.00 Matches: 82
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 9 Gaps: 0
US-09-049-696-14 (1-248) x US-09-922-217-1066 (1-914)
QY 3 CTGAAGCGGAATTCACGGGGCAGTCTCATTATCTGACTTGGACAGCTCTCTGGGAT 62
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QY 63 GATTATGACCATGGAACAGCTCACAGTATATCATTCGAATAAGTACAAGTATCTTGAT 122
DB 779 AspTyrAspHisGlyThrAlaHisLysTyrIleleArgIleSerThrSerileLeuAsp 798

QY 123 CTCAGAGACAAGTTCATGAATCTTCAAGTGAATATCTGCTCTCATCCCAAGGAA 182
DB 799 LeuArgAspLysPheAsnGluSerLeuGlnValAsnThrThrAlaLeuileProLysGlu 818
QY 183 GCCAACTCTGAGGAAGTCTTTTGTAAACAGAAACATTACTTTTCAAAATGCGACA 242
DB 819 AlaAsnSerGluGluValPheLeuPheLysProGluAsnIleThrPheGluAsnGlyThr 838
QY 243 GATCTT 248
DB 839 AspLeu 840
RESULT 5
US-09-833-263-1066
; Sequence 1066, Application US/09833263
; Patent No. US20020110547A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; APPLICANT: Stoik, John A.
; APPLICANT: Meagher, Madeleine J.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND
; FILE REFERENCE: 210121.471C12
; CURRENT APPLICATION NUMBER: US/09/833,263
; CURRENT FILING DATE: 2001-04-10
; NUMBER OF SEQ ID NOS: 1093
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1066
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-833-263-1066
Alignment Scores:
Pred. No.: 1.52e-45 Length: 914
Score: 427.00 Matches: 82
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
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QY 63 GATTATGACCATGGAACAGCTCACAGTATATCATTCGAATAAGTACAAGTATCTTGAT 122
DB 779 AspTyrAspHisGlyThrAlaHisLysTyrIleleArgIleSerThrSerileLeuAsp 798
QY 123 CTCAGAGACAAGTTCATGAATCTTCAAGTGAATATCTGCTCTCATCCCAAGGAA 182
DB 799 LeuArgAspLysPheAsnGluSerLeuGlnValAsnThrThrAlaLeuileProLysGlu 818
QY 183 GCCAACTCTGAGGAAGTCTTTTGTAAACAGAAACATTACTTTTCAAAATGCGACA 242
DB 819 AlaAsnSerGluGluValPheLeuPheLysProGluAsnIleThrPheGluAsnGlyThr 838
QY 243 GATCTT 248
DB 839 AspLeu 840
RESULT 6
US-09-981-353-192
; Sequence 192, Application US/09981353
; Patent No. US20020160382A1
; GENERAL INFORMATION:
; APPLICANT: Lasek, Amy W.
; APPLICANT: Jones, David A.
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0038 US

; CURRENT APPLICATION NUMBER: US/09/981,353
; NUMBER OF SEQ ID NOS: 194
; CURRENT FILING DATE: 2001-10-11
; SOFTWARE: PERL Program
; SEQ ID NO 192
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No. US20020160382A1 1737775CD1
US-09-981-353-192

Alignment Scores:
Pred. No.: 1,52e-45 Length: 914
Score: 427.00 Matches: 82
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 9 Gaps: 0

US-09-049-696-14 (1-248) x US-09-981-353-192 (1-914)

QY 3 CTGAAGCGGAAATTCACGGGGCAGTCTCAATTAATCTGACTTGGACAGCTCTCTGGGAT 62
DB 759 LeuLysAlaGluIleHisGlySerLeuLeuLeuThrTrpThrAlaProGlyAsp 778
QY 63 GATTATGACATGGAACAGCTCACAAGTATATCATTCGAAATAGTACAAGTATCTTGAT 122
DB 779 AspTyrAspHisGlyThrAlaHisLysTyrIleleArgIleSerThrSerIleLeuAsp 798
QY 123 CTCAGAGACAAGTCAATCAATCTCTCAAGTGAATCTACTGCTCTCATCCAAAGGAA 182
DB 799 LeuArgAspLysPheAsnGluSerLeuGlnValAsnThrThrAlaLeuIleProLysGlu 818
QY 183 GCCAACTCTGAGGAAGTCTTTTGTGTTAAACAGAAAAACATTACTTTTGAAATGGCACA 242
DB 819 AlaAsnSerGluGluValPheLeuPheLysProGluAsnIleThrPheGluAsnGlyThr 838
QY 243 GATCTT 248
DB 839 AspLeu 840

RESULT 7

US-09-833-245-2054
; Sequence 2054, Application US/09833245
; Publication No. US2004010134A1
; GENERAL INFORMATION:
; APPLICANT: Human Genome Sciences, Inc.
; TITLE OF INVENTION: Albumin Fusion Proteins
; FILE REFERENCE: PF546PCT
; CURRENT APPLICATION NUMBER: US/09/833,245
; CURRENT FILING DATE: 2001-04-12
; PRIOR APPLICATION NUMBER: 60/229,358
; PRIOR FILING DATE: 2000-04-12
; PRIOR APPLICATION NUMBER: 60/256,931
; PRIOR FILING DATE: 2000-12-21
; PRIOR APPLICATION NUMBER: 60/199,384
; PRIOR FILING DATE: 2000-04-25
; NUMBER OF SEQ ID NOS: 2267
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2054
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-833-245-2054

Alignment Scores:
Pred. No.: 1,52e-45 Length: 914
Score: 427.00 Matches: 82
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0

DB: 11 Gaps: 0
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DB 759 LeuLysAlaGluIleHisGlySerLeuLeuLeuThrTrpThrAlaProGlyAsp 778
QY 63 GATTATGACATGGAACAGCTCACAAGTATATCATTCGAAATAGTACAAGTATCTTGAT 122
DB 779 AspTyrAspHisGlyThrAlaHisLysTyrIleleArgIleSerThrSerIleLeuAsp 798
QY 123 CTCAGAGACAAGTCAATCAATCTCTCAAGTGAATCTACTGCTCTCATCCAAAGGAA 182
DB 799 LeuArgAspLysPheAsnGluSerLeuGlnValAsnThrThrAlaLeuIleProLysGlu 818
QY 183 GCCAACTCTGAGGAAGTCTTTTGTGTTAAACAGAAAAACATTACTTTTGAAATGGCACA 242
DB 819 AlaAsnSerGluGluValPheLeuPheLysProGluAsnIleThrPheGluAsnGlyThr 838
QY 243 GATCTT 248
DB 839 AspLeu 840

RESULT 8

US-10-025-380-1066
; Sequence 1066, Application US/10025380
; Publication No. US20020182191A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather
; APPLICANT: Benson, Darin R.
; APPLICANT: Mesgher, Madeleine Joy
; APPLICANT: Stolk, John A.
; APPLICANT: Wang, Tongtong
; APPLICANT: Jiang, Yugu
; APPLICANT: Smith, Carole L.
; APPLICANT: King, Gordon E.
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; APPLICANT: Skeiky, Yasir A. W.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darrick
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; FILE REFERENCE: 210121.471C14
; CURRENT APPLICATION NUMBER: US/10/025,380
; CURRENT FILING DATE: 2001-12-19
; NUMBER OF SEQ ID NOS: 1129
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1066
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-025-380-1066

Alignment Scores:
Pred. No.: 1,52e-45 Length: 914
Score: 427.00 Matches: 82
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 13 Gaps: 0

US-09-049-696-14 (1-248) x US-10-025-380-1066 (1-914)

QY 3 CTGAAGCGGAAATTCACGGGGCAGTCTCAATTAATCTGACTTGGACAGCTCTCTGGGAT 62
DB 759 LeuLysAlaGluIleHisGlySerLeuLeuLeuThrTrpThrAlaProGlyAsp 778
QY 63 GATTATGACATGGAACAGCTCACAAGTATATCATTCGAAATAGTACAAGTATCTTGAT 122

Db 779 AspTyrAspHisGlyThrAlaHisLysTyrIleArgIleSerThrSerIleLeuAsp 798
QY 123 CTCAGAGACAAAGTCTCAATGAATCTCTTCAAGTGAATACCTCTCATCCCAAGGAA 182
Db 799 LeuArgAspLysPheAsnGluSerLeuGlnValAsnThrThrAlaLeuIleProLysGlu 818
QY 183 GCCAACTCTGAGAAAGTCTTTTGTGTTAAACAGAAACATTACTTTTGAAATGSCACA 242
Db 819 AlaAsnSerGluGluValPheLeuPheLysProGluAsnIleThrPheGluAsnGlyThr 838
QY 243 GATCTT 248
Db 839 AspLeu 840

RESULT 9
US-10-055-412B-28
; Sequence 28, Application US/10055412B
; Publication No. US20030059861A1
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; FILE REFERENCE: 18617.0058
; CURRENT APPLICATION NUMBER: US/10/055,412B
; PRIOR FILING DATE: 2001-10-29
; PRIOR APPLICATION NUMBER: US/09/193,562
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 28
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-055-412B-28

Alignment Scores:
Pred. No.: 1.52e-45 Length: 914
Score: 427.00 Matches: 82
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 14 Gaps: 0

US-09-049-696-14 (1-248) x US-10-055-412B-28 (1-914)
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Db 759 LeuLysAlaGluIleHisGlySerLeuIleAsnLeuThrTriphrAlaProGlyAsp 778
QY 63 GATTATGACCATGGACAGCTCACAGTATATCATTCGAATAGTACAGTATCTTGTAT 122
Db 779 AspTyrAspHisGlyThrAlaHisLysTyrIleArgIleSerThrSerIleLeuAsp 798
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Db 799 LeuArgAspLysPheAsnGluSerLeuGlnValAsnThrThrAlaLeuIleProLysGlu 818
QY 183 GCCAACTCTGAGAAAGTCTTTTGTGTTAAACAGAAACATTACTTTTGAAATGSCACA 242
Db 819 AlaAsnSerGluGluValPheLeuPheLysProGluAsnIleThrPheGluAsnGlyThr 838
QY 243 GATCTT 248
Db 839 AspLeu 840

RESULT 10
US-10-270-595-6
; Sequence 6, Application US/10270595
; Publication No. US20030078409A1
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.

; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/10/270,595
; CURRENT FILING DATE: 2002-10-16
; PRIOR APPLICATION NUMBER: US/09/623,624
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,472
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-270-595-6

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Pred. No.: 1.52e-45 Length: 914
Score: 427.00 Matches: 82
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 14 Gaps: 0

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QY 63 GATTATGACCATGGACAGCTCACAGTATATCATTCGAATAGTACAGTATCTTGTAT 122
Db 779 AspTyrAspHisGlyThrAlaHisLysTyrIleArgIleSerThrSerIleLeuAsp 798
QY 123 CTCAGAGACAAAGTCTCAATGAATCTCTTCAAGTGAATACCTCTCATCCCAAGGAA 182
Db 799 LeuArgAspLysPheAsnGluSerLeuGlnValAsnThrThrAlaLeuIleProLysGlu 818
QY 183 GCCAACTCTGAGAAAGTCTTTTGTGTTAAACAGAAACATTACTTTTGAAATGSCACA 242
Db 819 AlaAsnSerGluGluValPheLeuPheLysProGluAsnIleThrPheGluAsnGlyThr 838
QY 243 GATCTT 248
Db 839 AspLeu 840

RESULT 11
US-10-235-994-26
; Sequence 26, Application US/10235994
; Publication No. US20030101002A1
; GENERAL INFORMATION:
; APPLICANT: Bartha, Gabor
; APPLICANT: Walker, Michael
; TITLE OF INVENTION: METHODS FOR ANALYZING GENE EXPRESSION PATTERNS

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; FILE REFERENCE: ICYTP012
; CURRENT APPLICATION NUMBER: US/10/235,994
; CURRENT FILING DATE: 2002-09-04
; PRIOR APPLICATION NUMBER: US/10/003,608
; PRIOR FILING DATE: 2001-11-01
; PRIOR APPLICATION NUMBER: 60/245,081
; PRIOR FILING DATE: 2000-11-01
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 26
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Human
US-10-235-994-26

Alignment Scores:
Pred. No.: 1,528-45 Length: 914
Score: 427.00 Matches: 82
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 14 Gaps: 0

US-09-049-696-14 (1-248) x US-10-235-994-26 (1-914)

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QY 63 GATTATGACCATGGAACTCACAAGTATATCATTCGAATAAGTACAAAGTATCTTGAT 122
DB 779 AspTyrAspHisGlyThrAlaHisLysTyrIleIleArgIleSerThrSerIleLeuAsp 798
QY 123 CTCAGAGACAAGTTCGAATCAATCAATCTTCAAGTGAATACCTACTGCTCTCATCCAAAGGAA 182
DB 799 LeuArgAspLysPheAsnGluSerLeuGlnValAsnThrThrAlaLeuIleProLysGlu 818
QY 183 GCCAACTCTGAGGAAGTCTTTTGTGTTTAAACAGAAAAACATTCATCTTTGAAAATGGCACA 242
DB 819 AlaAsnSerGluGluValPheLeuPheLysProGluAsnIleThrPheGluAsnGlyThr 838
QY 243 GATCTT 248
DB 839 AspLeu 840

RESULT 12
US-10-060-255-42
; Sequence 42, Application US/10060255
; Publication No. US20030113840A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 25 Human secreted proteins
; FILE REFERENCE: P2042P1
; CURRENT APPLICATION NUMBER: US/10/060,255
; CURRENT FILING DATE: 2002-02-01
; PRIOR APPLICATION NUMBER: 09/781,417
; PRIOR FILING DATE: 2001-02-13
; PRIOR APPLICATION NUMBER: PCT/US00/22325
; PRIOR FILING DATE: 2000-08-16
; PRIOR APPLICATION NUMBER: 60/149,182
; PRIOR FILING DATE: 1999-08-17
; NUMBER OF SEQ ID NOS: 86
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 42
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-060-255-42

Alignment Scores:
Pred. No.: 1,528-45 Length: 914
Score: 427.00 Matches: 82
Percent Similarity: 100.00% Conservative: 0
Query Match: 100.00% Indels: 0
DB: 14 Gaps: 0
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Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 14 Gaps: 0

US-09-049-696-14 (1-248) x US-10-060-255-42 (1-914)

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QY 63 GATTATGACCATGGAACTCACAAGTATATCATTCGAATAAGTACAAAGTATCTTGAT 122
DB 779 AspTyrAspHisGlyThrAlaHisLysTyrIleIleArgIleSerThrSerIleLeuAsp 798
QY 123 CTCAGAGACAAGTTCGAATCAATCAATCTTCAAGTGAATACCTACTGCTCTCATCCAAAGGAA 182
DB 799 LeuArgAspLysPheAsnGluSerLeuGlnValAsnThrThrAlaLeuIleProLysGlu 818
QY 183 GCCAACTCTGAGGAAGTCTTTTGTGTTTAAACAGAAAAACATTCATCTTTGAAAATGGCACA 242
DB 819 AlaAsnSerGluGluValPheLeuPheLysProGluAsnIleThrPheGluAsnGlyThr 838
QY 243 GATCTT 248
DB 839 AspLeu 840

RESULT 13
US-09-764-868-635
; Sequence 635, Application US/09764868
; Patent No. US20020168711A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PT232
; CURRENT APPLICATION NUMBER: US/09/764,868
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 1510
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 635
; LENGTH: 925
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-764-868-635

Alignment Scores:
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Score: 427.00 Matches: 82
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
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US-09-049-696-14 (1-248) x US-09-764-868-635 (1-925)

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DB 790 AspTyrAspHisGlyThrAlaHisLysTyrIleIleArgIleSerThrSerIleLeuAsp 809
QY 123 CTCAGAGACAAGTTCGAATCAATCAATCTTCAAGTGAATACCTACTGCTCTCATCCAAAGGAA 182
DB 810 LeuArgAspLysPheAsnGluSerLeuGlnValAsnThrThrAlaLeuIleProLysGlu 829
QY 183 GCCAACTCTGAGGAAGTCTTTTGTGTTTAAACAGAAAAACATTCATCTTTGAAAATGGCACA 242
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QY 243 GATCTT 248
DB 839 AspLeu 840
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Db 850 AspLeu 851

RESULT 14

US-10-106-698-6248

; Sequence 6248, Application US/10106698

; Publication No. US20030109690A1

; GENERAL INFORMATION:

; APPLICANT: Ruben et al.

; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide

; FILE REFERENCE: PA005P1

; CURRENT APPLICATION NUMBER: US/10/106,698

; CURRENT FILING DATE: 2002-03-27

; PRIOR APPLICATION NUMBER: PCT/US00/26524

; PRIOR FILING DATE: 2000-09-28

; PRIOR APPLICATION NUMBER: US 60/157,137

; PRIOR FILING DATE: 1999-09-29

; PRIOR APPLICATION NUMBER: US 60/163,280

; PRIOR FILING DATE: 1999-11-03

; NUMBER OF SEQ ID NOS: 8564

; SOFTWARE: PatentIn Ver. 3.0

; SEQ ID NO 6248

; LENGTH: 925

; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-106-698-6248

Alignment Scores:

Pred. No.: 1,52e-45 Length: 925

Score: 427.00 Matches: 82

Percent Similarity: 100.00% Conservative: 0

Best Local Similarity: 100.00% Mismatches: 0

Query Match: 100.00% Indels: 0

DB: 14 Gaps: 0

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Db 790 AspTyrAspHisGlyThrAlaHisLysTyrIleleArgIleSerThrSerIleLeuAsp 809

QY 123 CTCAGAGACAAGTTCAATGAATCTTCAAGTGAATACTACTCTCATCCCAAGGAA 182

Db 810 LeuArgAspLysPheAsnGluSerLeuGlnValAsnThrThrAlaLeuIleProLysGlu 829

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Db 830 AlaAsnSerGluGluValPheLeuPheLysProGluAsnIleThrPheGluAsnGlyThr 849

QY 243 GATCTT 248

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RESULT 15

US-10-369-214-133

; Sequence 133, Application US/10369214

; Publication No. US2003023037A1

; GENERAL INFORMATION:

; APPLICANT: Groot, Pieter C.

; APPLICANT: Bergenhegouwen van, Bram J.

; APPLICANT: Oosterhout van, Antoon J.M.

; TITLE OF INVENTION: Genes involved in immune related responses observed

; TITLE OF INVENTION: with asthma

; FILE REFERENCE: P53837US00

; CURRENT APPLICATION NUMBER: US/10/369,214

; CURRENT FILING DATE: 2003-02-15

; PRIOR APPLICATION NUMBER: EP 00202867.8

; PRIOR FILING DATE: 2000-08-16

; PRIOR APPLICATION NUMBER: PCT/NL01/00610

; PRIOR FILING DATE: 2001-08-16

; NUMBER OF SEQ ID NOS: 139

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 133

; LENGTH: 914

; TYPE: PRT

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: SITE

; LOCATION: (1)..(914)

; OTHER INFORMATION: /note="Human CLCA1"

US-10-369-214-133

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Percent Similarity: 98.78% Conservative: 0

Best Local Similarity: 98.78% Mismatches: 1

Query Match: 98.83% Indels: 0

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Db 759 LeuAsnAlaGluIleHisGlySerLeuIleAsnLeuThrTriphrAlaProGlyAsp 778

QY 63 GATTATGACCATGGACAGCTCACAGTATATCATTCGAATAGTACAAGTATTCTTGAT 122

Db 779 AspTyrAspHisGlyThrAlaHisLysTyrIleleArgIleSerThrSerIleLeuAsp 798

QY 123 CTCAGAGACAAGTTCAATGAATCTTCAAGTGAATACTACTCTCATCCCAAGGAA 182

Db 799 LeuArgAspLysPheAsnGluSerLeuGlnValAsnThrThrAlaLeuIleProLysGlu 818

QY 183 GCCAACTCTGAGAGAGTCTTTTGTGTTTAAACCAGAAAACATTACTTTTGAATAATGCACA 242

Db 819 AlaAsnSerGluGluValPheLeuPheLysProGluAsnIleThrPheGluAsnGlyThr 838

QY 243 GATCTT 248

Db 839 AspLeu 840

Search completed: April 21, 2004, 16:39:21

Job time : 39.7047 secs

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GenCore version 5.1.6
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OM nucleic - protein search, using frame_plus_n2p model

Run on: April 21, 2004, 16:13:29 ; Search time 12.6553 Seconds
(without alignments)
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Perfect score: 427
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Delop 6.0 , Delext 7.0

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 778828

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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	427	100.0	228	4	US-09-224-110-9
3	427	100.0	228	5	PCT-US95-07289-9
4	427	100.0	914	4	US-09-193-562D-28
5	427	100.0	914	4	US-09-623-624-6
6	304	71.2	913	4	US-09-623-624-2
7	259.5	60.8	917	4	US-09-049-698-41
8	210.5	49.3	902	4	US-09-193-562D-34
9	195	45.7	903	4	US-09-193-562D-3
10	195	45.7	905	4	US-09-193-562D-2
11	190	44.5	903	4	US-09-193-562D-46
12	190	44.5	903	4	US-09-623-624-18

13	189.5	44.4	1000	4	US-09-193-562D-30	Sequence 30, Appl
14	159	37.2	920	4	US-09-643-597-357	Sequence 357, App
15	159	37.2	942	4	US-09-919-172-87	Sequence 87, Appl
16	159	37.2	943	4	US-09-193-562D-32	Sequence 32, Appl
17	159	37.2	943	4	US-09-643-597-161	Sequence 161, App
18	159	37.2	943	4	US-09-480-884A-161	Sequence 161, App
19	159	37.2	943	4	US-09-542-615A-161	Sequence 161, App
20	159	37.2	943	4	US-09-606-421B-161	Sequence 161, App
21	159	37.2	943	4	US-09-623-624-4	Sequence 4, Appli
22	159	37.2	943	4	US-09-221-107-161	Sequence 161, App
23	70.5	16.5	40	4	US-09-049-698-45	Sequence 45, Appl
24	70.5	16.5	1761	4	US-09-489-039A-11234	Sequence 11234, A
25	69.5	16.3	318	4	US-09-107-532A-6372	Sequence 6372, Ap
26	69	16.2	283	1	US-08-726-227-1	Sequence 1, Appli
27	69	16.2	283	3	US-08-826-246-6	Sequence 6, Appli
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32	69	16.2	283	4	US-09-372-044-6	Sequence 6, Appli
33	69	16.2	283	4	US-08-825-486-6	Sequence 6, Appli
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35	66	15.5	166	5	PCT-US95-03866-34	Sequence 34, Appl
C 36	66	15.3	469	4	US-09-347-650-16	Sequence 16, Appl
37	65	15.2	283	1	US-08-726-227-4	Sequence 4, Appli
C 38	65	15.1	908	3	US-08-823-110-1	Sequence 1, Appli
C 39	65	15.1	908	3	US-08-604-298-1	Sequence 1, Appli
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41	64	15.0	443	4	US-09-134-000C-4824	Sequence 4824, Ap
C 42	64	14.8	481	3	US-08-617-785-8	Sequence 8, Appli
C 43	64	14.8	481	4	US-09-817-464-8	Sequence 8, Appli
C 44	64	14.8	604	4	US-09-820-809-13	Sequence 13, Appl
C 45	64	14.8	867	3	US-08-617-785-4	Sequence 4, Appli

ALIGNMENTS

RESULT 1
US-08-469-667-9
; Sequence 9, Application US/08469667
; Patent No. 5733748
; GENERAL INFORMATION:
; APPLICANT: Yu, Guo-Liang
; APPLICANT: Rosen, Craig
; TITLE OF INVENTION: Colon Specific Genes and Proteins
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Carella, Byrne, Bain, Gilfillan, Cecchi,
; ADDRESSEE: Stewart & Olstein
; STREET: 6 Becker Farm Road
; CITY: Roseland
; STATE: NJ
; COUNTRY: USA
; ZIP: 07068-1739
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/469,667
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Ferrari, Gregory D.
; REGISTRATION NUMBER: 36,134
; REFERENCE/DOCKET NUMBER: 325800-435
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-994-1700
; TELEFAX: 201-994-1744
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 228 amino acids

;
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-469-667-9

Alignment Scores:
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Score: 427.00 Matches: 82
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 1 Gaps: 0

US-09-049-696-14 (1-248) x US-08-469-667-9 (1-228)

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DB 163 AlaAsnSerGluGluValPheLeuPheLysProGluAsnIleThrPheGluAsnGlyThr 182
QY 243 GATCTT 248
DB 183 AspLeu 184

RESULT 2

US-09-224-110-9
; Sequence 9, Application US/09224110
; Patent No. 6337195
; GENERAL INFORMATION:
; APPLICANT: Yu, Guo-Liang
; APPLICANT: Rosen, Craig
; TITLE OF INVENTION: Colon Specific Genes and Proteins
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Carella, Byrne, Bain, Gilfillan, Cecchi,
; ADDRESSEE: Stewart & Olstein
; STREET: 6 Becker Farm Road
; CITY: Roseland
; STATE: NJ
; COUNTRY: USA
; ZIP: 07068-1739
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
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; APPLICATION NUMBER: US/09/224,110
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/459,667
; FILING DATE: 06-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Ferraro, Gregory D.
; REGISTRATION NUMBER: 36,134
; REFERENCE/DOCKET NUMBER: 325800-435
; TELEPHONE: 201-994-1700
; TELEFAX: 201-994-1744
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 228 amino acids
; TYPE: amino acid
; TOPOLOGY: linear

;
; LENGTH: 228 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-224-110-9

Alignment Scores:
Pred. No.: 6,06e-51 Length: 228
Score: 427.00 Matches: 82
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0

US-09-049-696-14 (1-248) x US-09-224-110-9 (1-228)

QY 3 CTGAAGCGGAATTCACGGGGCAGTCTCATTAATCTGACTTGGACAGCTCTCTGGGGAT 62
DB 103 LeuLysAlaGluIleHisGlySerLeuIleAsnLeuThrTrpThrAlaProGlyAsp 122
QY 63 GATTATGACCATGGAACAGCTCACAGTATATCATTCGAATAGTACAAAGTATCTTGAT 122
DB 123 AspTyrAspHisGlyThrAlaHisLysTyrIleIleArgIleSerThrSerIleLeuAsp 142
QY 123 CTCAGAGACAAAGTTCATGAATCTCTCAAGTGAATACTACTCTCATCCCAAGGAA 182
DB 143 LeuArgAspLysPheAsnGluSerLeuGlnValAsnThrThrAlaLeuIleProLysGlu 162
QY 183 GCCAACTCTGAGAAAGTCTTTTGTGTTTAAACAGAAAAACATTACTTTTGAATAATGCGACA 242
DB 163 AlaAsnSerGluGluValPheLeuPheLysProGluAsnIleThrPheGluAsnGlyThr 182
QY 243 GATCTT 248
DB 183 AspLeu 184

RESULT 3

PCT-US95-07289-9
; Sequence 9, Application PC/TUS9507289
; GENERAL INFORMATION:
; APPLICANT: Yu, Guo-Liang
; APPLICANT: Rosen, Craig
; TITLE OF INVENTION: Colon Specific Genes and Proteins
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Carella, Byrne, Bain, Gilfillan, Cecchi,
; ADDRESSEE: Stewart & Olstein
; STREET: 6 Becker Farm Road
; CITY: Roseland
; STATE: NJ
; COUNTRY: USA
; ZIP: 07068-1739
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/07289
; FILING DATE: 06-JUN-1995
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Ferraro, Gregory D.
; REGISTRATION NUMBER: 36,134
; REFERENCE/DOCKET NUMBER: 325800-265
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-994-1700
; TELEFAX: 201-994-1744
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 228 amino acids
; TYPE: amino acid
; TOPOLOGY: linear

Db 799 LeuArgAspLysPheAsnGluSerLeuGlnValAsnThrThrAlaLeuIleProLysGlu 818
QY 183 GCCAACTCTGAGAGTCTTTTGTAAACAGAAAACATTACTTTGAAAATGCGACA 242
Db 819 AlaAsnSerGluGluValPheLeuPheLysProGluAsnIleThrPheGluAsnGlyThr 838
QY 243 GATCTT 248
Db 839 AspLeu 840

RESULT 6

US-09-623-624-2
; Sequence 2, Application US/09623624
; Patent No. 6576434
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/09/623,624
; CURRENT FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,472
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,110
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,168
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/980,872
; PRIOR FILING DATE: 1997-12-01
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 2
; TYPE: PRT
; ORGANISM: Mus musculus

US-09-623-624-2

Alignment Scores:
Pred. No.: 1,416-33 Length: 913
Score: 304.00 Matches: 59
Percent Similarity: 81.71% Conservative: 8
Best Local Similarity: 71.95% Mismatches: 15
Query Match: 71.19% Indels: 0
DB: 4 Gaps: 0

US-09-049-696-14 (1-248) x US-09-623-624-2 (1-913)

QY 3 CTGAGCGGGAATTCACGGGCGAGTCTCAATTAATCTGACTTGGACAGCTCTCGGGAT 62
Db 759 LeuLysAlaSerIleGlnGlyGlnAsnLeuValAsnLeuThrTrpThrAlaProGlyAsp 778
QY 63 GATTATGACATGGAACAGCTCACAGTATATCATTGGAATAGTACAAAGTATCTTGAT 122
Db 779 AspTyrAspHisGlyArgAlaSerAsnTyrlleIleArgMetSerThrSerIleValAsp 798

QY 123 CTCAGAGACAAGTTCAATGAATCTCTCAAGTGAATACTACTGCTCTCATCCAAAGGAA 182
Db 799 LeuArgAspHisPheAsnThrSerLeuGlnValAsnThrThrGlyLeuIleProLysGlu 818
QY 183 GCCAACTCTGAGAGTCTTTTGTAAACAGAAAACATTACTTTGAAAATGCGACA 242
Db 819 AlaSerSerGluGluIlePheGluLeuGlyGlyAsnThrPheGlyAsnGlyThr 838
QY 243 GATCTT 248
Db 839 AspIle 840

RESULT 7

US-09-049-698-41
; Sequence 41, Application US/09049698
; Patent No. 6368792
; GENERAL INFORMATION:
; APPLICANT: BILLING-MEDEL, PATRICIA A.
; APPLICANT: COHEN, MAURICE
; APPLICANT: COLPITTS, TRACEY L.
; APPLICANT: FRIEDMAN, PAULA N.
; APPLICANT: HAYDEN, MARK
; APPLICANT: KLASS, MICHAEL R.
; APPLICANT: ROBERTS-RAPP, LISA
; APPLICANT: RUSSELL, JOHN C.
; APPLICANT: STROUPE, STEPHEN D.
; TITLE OF INVENTION: REAGENTS AND METHODS FOR THE
; TITLE OF INVENTION: USEFUL FOR DETECTING DISEASES OF THE GASTROINTESTINAL
; TITLE OF INVENTION: TRACT
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Abbott Laboratories
; STREET: 100 Abbott Park Road
; CITY: Abbott Park
; STATE: IL
; COUNTRY: USA
; ZIP: 60064-3500
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/049,698
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/828,856
; FILING DATE: 31-MAR-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Becker, Cheryl L.
; REGISTRATION NUMBER: 35,441
; REFERENCE/DOCKET NUMBER: 6068.US.P1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 847/935-1729
; TELEFAX: 847/938-2623
; TELEX:
; INFORMATION FOR SEQ ID NO: 41:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 917 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: No. 6368792e
US-09-049-698-41

Alignment Scores:

Pred. No.: 2,288-27 Length: 917
Score: 259.50 Matches: 52
Percent Similarity: 76.83% Conservative: 11
Best Local Similarity: 63.41% Mismatches: 18
Query Match: 60.77% Indels: 1
DB: 4 Gaps: 1

Percent Similarity:	71.43%	Conservative:	11
Best Local Similarity:	55.71%	Mismatches:	20
Query Match:	45.67%	Indels:	0
DB:	4	Gaps:	0

US-09-049-696-14 (1-248) x US-09-193-562D-2 (1-905)

33	QY	ATTAACTGACTGTGACAGCTCTCTGGGAATGATTATGACCACTGGACACAGCTCACAAGTAT	92
777	Db	IleGlnLeuSerTrpThrAlaProGlyLysValLeuAspLysGlyLysAlaAsnSerTyr	796
93	QY	ATCATTTCGAATAAGTACAGTATTCTTCATCTCAGACACAGTTTCATGAATCTCTTCAA	152
797	Db	IleIleArgIleSerLysSerPheMetAspArgGlnGluaspPheAspAsnAlaThrLeu	816
153	QY	GTGAATACTACTGCTCTCATCCCAAGAGCAACCACTCTGAGGAAGTCTTTTGTGTAAA	212
817	Db	ValAsnThrSerAsnLeuIleProLysGluAlaGlySerLysGluAsnPheGluPheLys	836
213	QY	CCAGAAACACATTACTTTTCAAAATGGCACA	242
837	Db	ProGluHisPheArgValGluAsnGlyThr	846

RESULT 11

US-09-193-562D-46
; Sequence 46, Application US/09193562D

FACEIT NO. 6303637
: GENERAL INFORMATION:

APPLICANT: pauli, Benedicht U.

; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
 ; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules

FILE REFERENCE: 18617.0052

; CURRENT APPLICATION NUMBER: US/09/193,562D

; CURRENT FILING DATE: 1998-11-17

; PRIOR APPLICATION NUMBER: US/60/065,922

; PRIOR FILING DATE: 1997-11-17

; NUMBER OF SEQ ID NOS: 47

; SEQ ID NO 46

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; LENGTH: 903

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; TYPE: PRT
ONCE: ON

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ORGANISM: Unknown

FEATURE: OTHER TN

OTHER INFORMATION: calcium benzoate channel from bovine placenta
OTHER INFORMATION: enithelium (Cunningham et al) 1995 J Biol Chem 270:31016-

; OTHER INFORMATION: epills
: OTHER INFORMATION: 310261

U.S.-09-193-562D-46

05-0700-CCT-00-00

Alignment Scores:		
Pred. No.:	1.12e-17	Length:
Score:	190.00	Matches:
Percent Similarity:	69.0%	Conservative:
Best Local Similarity:	54.93%	Mismatches:
Query Match:	44.50%	Indels:
DB:	4	Gaps:

US-09-049-696-14 (1-248) x US-09-193-562D-46 (1-903)

[illegible]

RESULT 13

US-09-193-562D-30

; Sequence 30, Application US/09193562D

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; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 30
; LENGTH: 1000
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-193-562D-30

Alignment Scores:
Pred. No.: 1.36e-17 Length: 1000
Score: 189.50 Matches: 41
Percent Similarity: 63.75% Conservative: 10
Best Local Similarity: 51.25% Mismatches: 28
Query Match: 44.38% Indels: 1
DB: 4 Gaps: 1

US-09-049-696-14 (1-248) x US-09-193-562D-30 (1-1000)
QY 3 CTGAAGCGGAAATTCACGGGGCAGTCTCATTAACTGACTTGGACAGCTCTCTGGGAT 62
Db 784 LeuGluAlaLysPheGlnGlyAspHis---IleGlnLeuSerTrpThrAlaProGlyLys 802
QY 63 GATTATGACATGGAACAGCTCAAGTATATATCATTCGTAATAGTACAAAGTATCTTGAT 122
Db 803 ValLeuAspGlyGlyArgAlaGluSerTyrIleIleArgIleSerLysHisPheLeuAsp 822
QY 123 CTCAGACAGCAAGTCAATGATCTCTCAAGTCAATACTACTGCTCTCATCCCAAGGAA 182
Db 823 LeuGlnGluAspPheAspLysAlaAlaLeuIleAsnThrSerGlyLeuIleProLysGlu 842
QY 183 GCCAACTCTGAGGAGCTCTTTTGGTTTAAACAGAAACATTACTTTTGAAAATGGCACA 242
Db 843 ProGlySerValGluSerPheGluPheLysProGluProSerLysIleGluAsnGlyThr 862

RESULT 14
US-09-643-597-357
; Sequence 357, Application US/09643597
; Patent No. 6426072
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy
; APPLICANT: Panger, Gary R.
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Henderson, Robert A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.455C11
; CURRENT APPLICATION NUMBER: US/09/643,597
; CURRENT FILING DATE: 2000-08-21
; NUMBER OF SEQ ID NOS: 369
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 357
; LENGTH: 920
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-643-597-357

Alignment Scores:
Pred. No.: 2.37e-13 Length: 920
Score: 159.00 Matches: 30
Percent Similarity: 66.20% Conservative: 17
Best Local Similarity: 42.25% Mismatches: 22
Query Match: 37.24% Indels: 2
DB: 4 Gaps: 1

US-09-049-696-14 (1-248) x US-09-643-597-357 (1-920)
QY 33 ATTAATCTGACTTGGACAGCTCTCTGGGATGATTATGACCATGGAACAGCTCACAAGTAT 92
Db 758 LeuThrLeuSerTrpThrAlaProGlyGluAspPheAspGlnGlyGlnAlaThrSerTyr 777
QY 93 ATCATTGCAATAAGTACAAAGTATCTTGTATCTCAGACAGCAAGTTCATCTCTTCAA 152
Db 778 GluIleArgMetSerLysSerLeuGlnAsnIleGlnAspPheAsnAsnAlaIleLeu 797
QY 153 GTGAATACTACTGCTCTCATCCCAAGGAAAGCCAACTCTGAGGAAGTCTTTTGTATAA 212
Db 798 ValAsnThrSerLysArgAsnProGlnGlnAlaGlyIleArgGluIlePheThrPheSer 817
QY 213 CCAGAAAACATTACTTTTGAATAATGGCACAGAT 245
Db 818 ProGlnIleSerThr-----AsnGlyProGlu 826

RESULT 15
US-09-919-172-87
; Sequence 87, Application US/09919172
; Patent No. 6673545
; GENERAL INFORMATION:
; APPLICANT: Faris, Mary
; APPLICANT: Turner, Christopher M.
; TITLE OF INVENTION: PROSTATE CANCER MARKERS
; FILE REFERENCE: PA-0036 US
; CURRENT APPLICATION NUMBER: US/09/919,172
; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/222,469
; PRIOR FILING DATE: 2000-07-28
; NUMBER OF SEQ ID NOS: 102
; SOFTWARE: PERL Program
; SEQ ID NO 87
; LENGTH: 942
; TYPE: PRT
; ORGANISM: Homo sapiens
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6673545 2733282CD1
US-09-919-172-87

Alignment Scores:
Pred. No.: 2.39e-13 Length: 942
Score: 159.00 Matches: 30
Percent Similarity: 66.20% Conservative: 17
Best Local Similarity: 42.25% Mismatches: 22
Query Match: 37.24% Indels: 2
DB: 4 Gaps: 1

US-09-049-696-14 (1-248) x US-09-919-172-87 (1-942)
QY 33 ATTAATCTGACTTGGACAGCTCTCTGGGATGATTATGACCATGGAACAGCTCACAAGTAT 92
Db 780 LeuThrLeuSerTrpThrAlaProGlyGluAspPheAspGlnGlyGlnAlaThrSerTyr 799
QY 93 ATCATTGCAATAAGTACAAAGTATCTTGTATCTCAGACAGCAAGTTCATCTCTTCAA 152
Db 800 GluIleArgMetSerLysSerLeuGlnAsnIleGlnAspPheAsnAsnAlaIleLeu 819
QY 153 GTGAATACTACTGCTCTCATCCCAAGGAAAGCCAACTCTGAGGAAGTCTTTTGTATAA 212
Db 820 ValAsnThrSerLysArgAsnProGlnGlnAlaGlyIleArgGluIlePheThrPheSer 839
QY 213 CCAGAAAACATTACTTTTGAATAATGGCACAGAT 245
Db 818 ProGlnIleSerThr-----AsnGlyProGlu 826
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Db 840 ProGlnIleSerThr-----AsnGlyProGlu 848

Search completed: April 21, 2004, 16:22:25
Job time : 16.6553 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: April 24, 2004, 04:05:52 ; Search time 125.762 Seconds
(without alignments)
8424.829 Million cell updates/sec

Title: US-09-049-696-12

Perfect score: 235

Sequence: 1 GACACAGCAAAATCCCGAG.....CAGTGTAAGTGGCGGCTC 235

Scoring table: IDENTITY NUC

Gapop 10_0 , Gapext 1.0

Searched: 2907579 seqs, 2254313464 residues

Total number of hits satisfying chosen parameters: 5815158

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA.*

- 1: /cgn2_6/ptodata/2/pubpna/US07_PUBCOMB.seq.*
- 2: /cgn2_6/ptodata/2/pubpna/PCT_NEW_PUB.seq.*
- 3: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq.*
- 4: /cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq.*
- 5: /cgn2_6/ptodata/2/pubpna/US07_NEW_PUB.seq.*
- 6: /cgn2_6/ptodata/2/pubpna/PCTUS_PUBCOMB.seq.*
- 7: /cgn2_6/ptodata/2/pubpna/US08_NEW_PUB.seq.*
- 8: /cgn2_6/ptodata/2/pubpna/US08_PUBCOMB.seq.*
- 9: /cgn2_6/ptodata/2/pubpna/US09A_PUBCOMB.seq.*
- 10: /cgn2_6/ptodata/2/pubpna/US09B_PUBCOMB.seq.*
- 11: /cgn2_6/ptodata/2/pubpna/US09C_PUBCOMB.seq.*
- 12: /cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq.*
- 13: /cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq.*
- 14: /cgn2_6/ptodata/2/pubpna/US10A_PUBCOMB.seq.*
- 15: /cgn2_6/ptodata/2/pubpna/US10B_PUBCOMB.seq.*
- 16: /cgn2_6/ptodata/2/pubpna/US10C_PUBCOMB.seq.*
- 17: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq.*
- 18: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq.*
- 19: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	235	100.0	338	15	US-10-066-543-1970
2	235	100.0	455	15	US-10-066-543-2407
3	235	100.0	507	15	US-10-066-543-1693
4	235	100.0	653	14	US-10-033-528-1851
5	235	100.0	653	15	US-10-099-926-1851
6	235	100.0	1512	16	US-10-305-720-850
7	235	100.0	2745	15	US-10-270-595-5
8	235	100.0	2854	15	US-10-106-698-1371
9	235	100.0	2867	15	US-10-106-698-351
10	235	100.0	3007	15	US-10-055-412B-27
11	235	100.0	3109	15	US-10-106-698-2111
12	235	100.0	3111	9	US-09-823-356-25
13	235	100.0	3111	9	US-09-981-353-191
14	235	100.0	3111	15	US-10-235-994-25

15	235	100.0	3267	9	US-09-764-868-22	Sequence 22, Appl
16	235	100.0	3311	9	US-09-922-217-1056	Sequence 1056, Ap
17	235	100.0	3311	9	US-09-833-263-1056	Sequence 1056, Ap
18	235	100.0	3311	14	US-10-025-380-1056	Sequence 1056, Ap
19	235	100.0	3311	15	US-10-393-590-11	Sequence 11, Appl
20	235	100.0	3311	15	US-10-393-590-12	Sequence 12, Appl
21	235	100.0	3311	15	US-10-393-590-46	Sequence 46, Appl
22	235	100.0	3311	15	US-10-393-590-47	Sequence 47, Appl
23	235	100.0	3311	15	US-10-393-567-11	Sequence 11, Appl
24	235	100.0	3311	15	US-10-393-567-12	Sequence 12, Appl
25	235	100.0	3311	15	US-10-393-567-46	Sequence 46, Appl
26	235	100.0	3311	15	US-10-393-567-47	Sequence 47, Appl
27	235	100.0	3311	15	US-10-394-087-11	Sequence 11, Appl
28	235	100.0	3311	15	US-10-394-087-12	Sequence 12, Appl
29	235	100.0	3311	15	US-10-394-087-46	Sequence 46, Appl
30	235	100.0	3311	15	US-10-394-087-47	Sequence 47, Appl
31	235	100.0	4569	10	US-09-867-034-3	Sequence 3, Appl
32	235	100.0	4569	13	US-10-276-115-3	Sequence 1, Appl
33	176.4	75.1	2931	15	US-10-270-595-1	Sequence 1, Appl
34	127.8	54.4	1081	16	US-10-025-167-17	Sequence 928, App
35	127.8	54.4	1399	14	US-10-025-167-17	Sequence 17, Appl
36	127.8	54.4	1802	9	US-09-925-299-77	Sequence 77, Appl
37	127.8	54.4	1802	10	US-09-925-299-77	Sequence 77, Appl
38	127.8	54.4	1802	15	US-10-106-698-258	Sequence 258, App
39	127.8	54.4	2754	15	US-10-345-680-33	Sequence 33, Appl
40	127.8	54.4	3043	14	US-10-025-167-16	Sequence 16, Appl
41	127.8	54.4	3169	9	US-09-981-353-53	Sequence 53, Appl
42	127.8	54.4	3169	15	US-10-235-994-15	Sequence 15, Appl
43	127.8	54.4	3181	14	US-10-025-167-18	Sequence 18, Appl
44	127.8	54.4	3196	15	US-10-158-646-39	Sequence 39, Appl
45	127.8	54.4	3199	13	US-10-276-774-993	Sequence 993, App

ALIGNMENTS

RESULT 1

US-10-066-543-1970
; Sequence 1970, Application US/10066543
; Publication No. US20030087818A1
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yugu
; APPLICANT: Pyle, Ruth A.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Indrias, Carol Yoseph
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather
; APPLICANT: Carter, Darrick
; APPLICANT: Fanger, Gary R.
; APPLICANT: Smith, Carole L.
; APPLICANT: Durham, Margarita
; APPLICANT: Stolk, John A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF COLON CANCER
; FILE REFERENCE: 210121.563
; CURRENT APPLICATION NUMBER: US/10/066,543
; CURRENT FILING DATE: 2002-01-31
; NUMBER OF SEQ ID NOS: 3417
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1970
; LENGTH: 338
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-066-543-1970

Query Match 100.0%; Score 235; DB 15; Length 338;
Best Local Similarity 100.0%; Pred. No. 9.2e-70;
Matches 235; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GACACAGCAAAATCCCGAGCCTCTGGTAGTTTATGCAAAATTCGCAAGAGGCTCC 60

Db 47 GACACAGCAAAATCCCGAGCCTCTGGTAGTTTATGCAAAATTCGCAAGAGGCTCC 106

QY 61 CCAATTTCTCAGGCGCAGTGTCAAGCCCTGATTTGAATCAGTGAATGGAATAACAGTTACC 120
Db 107 CCAATTTCTCAGGCGCAGTGTCAAGCCCTGATTTGAATCAGTGAATGGAATAACAGTTACC 166
QY 121 TTGGAACACTCTGGATAATGAGCAGGTGCTGATGCTTAAAGATGACGGTGTCTACTCA 180
Db 167 TTGGAACACTCTGGATAATGAGCAGGTGCTGATGCTTAAAGATGACGGTGTCTACTCA 226
QY 181 AGGTATTTTCAACACTTATGACACGAATGCTAGATCAGTGAATGGAATGCGGGCTC 235
Db 227 AGGTATTTTCAACACTTATGACACGAATGCTAGATCAGTGAATGGAATGCGGGCTC 281

RESULT 2

US-10-066-543-2407/c
; Sequence 2407, Application US/10066543
; Publication No. US20030087818A1
; GENERAL INFORMATION:

; APPLICANT: Jiang, Yuqiu
; APPLICANT: Pyle, Ruth A.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Indirias, Carol Yoseph
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather
; APPLICANT: Carter, Darrick
; APPLICANT: Fanger, Gary R.
; APPLICANT: Smith, Carole L.
; APPLICANT: Durham, Margarita
; APPLICANT: Stolk, John A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.563
; CURRENT APPLICATION NUMBER: US/10/066,543
; CURRENT FILING DATE: 2002-01-31
; NUMBER OF SEQ ID NOS: 3417
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2407
; LENGTH: 455
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-066-543-2407

Query Match 100.0%; Score 235; DB 15; Length 455;
Best Local Similarity 100.0%; Pred. No. 1.1e-69;
Matches 235; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GACACAGCAAAATTCGCCAGCCCTCTGGTAGTTTATGCAAAATATTCGCCAAGGAGCCTCC 60
Db 292 GACACAGCAAAATTCGCCAGCCCTCTGGTAGTTTATGCAAAATATTCGCCAAGGAGCCTCC 233
QY 61 CCAATTTCTCAGGCGCAGTGTCAAGCCCTGATTTGAATCAGTGAATGGAATAACAGTTACC 120
Db 232 CCAATTTCTCAGGCGCAGTGTCAAGCCCTGATTTGAATCAGTGAATGGAATAACAGTTACC 173
QY 121 TTGGAACACTCTGGATAATGAGCAGGTGCTGATGCTTAAAGATGACGGTGTCTACTCA 180
Db 172 TTGGAACACTCTGGATAATGAGCAGGTGCTGATGCTTAAAGATGACGGTGTCTACTCA 113
QY 181 AGGTATTTTCAACACTTATGACACGAATGCTAGATCAGTGAATGGAATGCGGGCTC 235
Db 112 AGGTATTTTCAACACTTATGACACGAATGCTAGATCAGTGAATGGAATGCGGGCTC 58

RESULT 3

US-10-066-543-1693
; Sequence 1693, Application US/10066543
; Publication No. US20030087818A1
; GENERAL INFORMATION:

; APPLICANT: Jiang, Yuqiu
; APPLICANT: Pyle, Ruth A.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Indirias, Carol Yoseph
; APPLICANT: Lodes, Michael J.

; APPLICANT: Secrist, Heather
; APPLICANT: Carter, Darrick
; APPLICANT: Fanger, Gary R.
; APPLICANT: Smith, Carole L.
; APPLICANT: Durham, Margarita
; APPLICANT: Stolk, John A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.563
; CURRENT APPLICATION NUMBER: US/10/066,543
; CURRENT FILING DATE: 2002-01-31
; NUMBER OF SEQ ID NOS: 3417
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1693
; LENGTH: 507
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-066-543-1693

Query Match 100.0%; Score 235; DB 15; Length 507;
Best Local Similarity 100.0%; Pred. No. 1.1e-69;
Matches 235; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GACACAGCAAAATTCGCCAGCCCTCTGGTAGTTTATGCAAAATATTCGCCAAGGAGCCTCC 60
Db 227 GACACAGCAAAATTCGCCAGCCCTCTGGTAGTTTATGCAAAATATTCGCCAAGGAGCCTCC 286
QY 61 CCAATTTCTCAGGCGCAGTGTCAAGCCCTGATTTGAATCAGTGAATGGAATAACAGTTACC 120
Db 287 CCAATTTCTCAGGCGCAGTGTCAAGCCCTGATTTGAATCAGTGAATGGAATAACAGTTACC 346
QY 121 TTGGAACACTCTGGATAATGAGCAGGTGCTGATGCTTAAAGATGACGGTGTCTACTCA 180
Db 347 TTGGAACACTCTGGATAATGAGCAGGTGCTGATGCTTAAAGATGACGGTGTCTACTCA 406
QY 181 AGGTATTTTCAACACTTATGACACGAATGCTAGATCAGTGAATGGAATGCGGGCTC 235
Db 407 AGGTATTTTCAACACTTATGACACGAATGCTAGATCAGTGAATGGAATGCGGGCTC 461

RESULT 4

US-10-033-528-1851/c
; Sequence 1851, Application US/10033528
; Publication No. US20020131971A1
; GENERAL INFORMATION:

; APPLICANT: King, Gordon E.
; APPLICANT: Meagher, Madeleine Joy
; APPLICANT: Xu, Jiangchun
; APPLICANT: Secrist, Heather
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.547C1
; CURRENT APPLICATION NUMBER: US/10/033,528
; CURRENT FILING DATE: 2001-12-26
; NUMBER OF SEQ ID NOS: 1896
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1851
; LENGTH: 653
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc-feature
; LOCATION: 7..41
; OTHER INFORMATION: n = A,T,C or G
US-10-033-528-1851

Query Match 100.0%; Score 235; DB 14; Length 653;
Best Local Similarity 100.0%; Pred. No. 1.3e-69;
Matches 235; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GACACAGCAAAATTCGCCAGCCCTCTGGTAGTTTATGCAAAATATTCGCCAAGGAGCCTCC 60
Db 464 GACACAGCAAAATTCGCCAGCCCTCTGGTAGTTTATGCAAAATATTCGCCAAGGAGCCTCC 405

QY 61 CCAATTCTCAGGGCCAGTGTACAGCCCTGATTGAATCATAGTGAATGGAATAACAGTTACC 120
|
|
|
Db 404 CCAATTCTCAGGGCCAGTGTACAGCCCTGATTGAATCATAGTGAATGGAATAACAGTTACC 345
|
|
|
QY 121 TTGGAACTACTGGATAATGAGCAGGTGCTGATGCTACTAAGGATGACGGTGTCTACTCA 180
|
|
|
Db 344 TTGGAACTACTGGATAATGAGCAGGTGCTGATGCTACTAAGGATGACGGTGTCTACTCA 285
|
|
|
QY 181 AGGTATTTTCCAACTTTATGACACGAATGGTATGATACAGTGTAAAGTGGGGCTC 235
|
|
|
Db 284 AGGTATTTTCCAACTTTATGACACGAATGGTATGATACAGTGTAAAGTGGGGCTC 230
|
|
|

RESULT 5

US-10-099-926-1851/c
; Sequence 1851, Application US/10099926
; Publication No. US20030166064A1
; GENERAL INFORMATION:

; APPLICANT: King, Gordon E.
; APPLICANT: Meagher, Madeleine Joy
; APPLICANT: Xu, Jiangchun
; APPLICANT: Secrist, Heather
; APPLICANT: Jiang, Yudi
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF COLON CANCER
; FILE REFERENCE: 210121.547C2
; CURRENT APPLICATION NUMBER: US/10/099,926
; CURRENT FILING DATE: 2002-03-17
; NUMBER OF SEQ ID NOS: 1982
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 1851
; LENGTH: 653
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 7, 41
; OTHER INFORMATION: n = A,T,C or G

US-10-099-926-1851

Query Match 100.0%; Score 235; DB 15; Length 653;
Best Local Similarity 100.0%; Pred. No. 1.3e-69;
Matches 235; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GACACAGCAAAATCCCGAGCCCTCTGGTAGTTTATGCAAAATATTCGCCAAGGAGCTCC 60
|
|
|
Db 464 GACACAGCAAAATCCCGAGCCCTCTGGTAGTTTATGCAAAATATTCGCCAAGGAGCTCC 405
|
|
|
QY 61 CCAATTCTCAGGGCCAGTGTACAGCCCTGATTGAATCATAGTGAATGGAATAACAGTTACC 120
|
|
|
Db 404 CCAATTCTCAGGGCCAGTGTACAGCCCTGATTGAATCATAGTGAATGGAATAACAGTTACC 345
|
|
|
QY 121 TTGGAACTACTGGATAATGAGCAGGTGCTGATGCTACTAAGGATGACGGTGTCTACTCA 180
|
|
|
Db 344 TTGGAACTACTGGATAATGAGCAGGTGCTGATGCTACTAAGGATGACGGTGTCTACTCA 285
|
|
|
QY 181 AGGTATTTTCCAACTTTATGACACGAATGGTATGATACAGTGTAAAGTGGGGCTC 235
|
|
|
Db 284 AGGTATTTTCCAACTTTATGACACGAATGGTATGATACAGTGTAAAGTGGGGCTC 230
|
|
|

RESULT 6

US-10-305-720-850
; Sequence 850, Application US/10305720
; Publication No. US20040010136A1
; GENERAL INFORMATION:

; APPLICANT: Au-Young, Janice K.; Seilhamer, Jeffrey J.
; TITLE OF INVENTION: Composition for the Detection of Signaling Pathway Gene Expression
; FILE REFERENCE: PA-0002-1 CON
; CURRENT APPLICATION NUMBER: US/10/305,720
; CURRENT FILING DATE: 2002-11-26
; PRIOR APPLICATION NUMBER: 09/016,434

; PRIOR FILING DATE: 1998-01-30
; NUMBER OF SEQ ID NOS: 1490
; SOFTWARE: PERL Program
; SEQ ID NO 850
; LENGTH: 1512
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No. US20040010136A1 608819
US-10-305-720-850

Query Match 100.0%; Score 235; DB 16; Length 1512;
Best Local Similarity 100.0%; Pred. No. 2e-69;
Matches 235; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GACACAGCAAAATCCCGAGCCCTCTGGTAGTTTATGCAAAATATTCGCCAAGGAGCTCC 60
|
|
|
Db 522 GACACAGCAAAATCCCGAGCCCTCTGGTAGTTTATGCAAAATATTCGCCAAGGAGCTCC 581
|
|
|
QY 61 CCAATTCTCAGGGCCAGTGTACAGCCCTGATTGAATCATAGTGAATGGAATAACAGTTACC 120
|
|
|
Db 582 CCAATTCTCAGGGCCAGTGTACAGCCCTGATTGAATCATAGTGAATGGAATAACAGTTACC 641
|
|
|
QY 121 TTGGAACTACTGGATAATGAGCAGGTGCTGATGCTACTAAGGATGACGGTGTCTACTCA 180
|
|
|
Db 642 TTGGAACTACTGGATAATGAGCAGGTGCTGATGCTACTAAGGATGACGGTGTCTACTCA 701
|
|
|
QY 181 AGGTATTTTCCAACTTTATGACACGAATGGTATGATACAGTGTAAAGTGGGGCTC 235
|
|
|
Db 702 AGGTATTTTCCAACTTTATGACACGAATGGTATGATACAGTGTAAAGTGGGGCTC 756
|
|
|

RESULT 7

US-10-270-595-5
; Sequence 5, Application US/10270595
; Publication No. US20030078409A1
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/10/270,595
; CURRENT FILING DATE: 2002-10-16
; PRIOR APPLICATION NUMBER: US/09/623,624
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,472
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; PRIOR FILING DATE: 1996-08-23
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 2745
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:

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; NAME/KEY: CDS
; LOCATION: (1)..(2742)
US-10-270-595-5

Query Match 100.0%; Score 235; DB 15; Length 2745;
Best Local Similarity 100.0%; Pred. No. 2.7e-69;
Matches 235; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GACACCAGCAAAATTTCCCGAGCCCTCTCGTAGTTTATGCAAAATATTCGCCAAGGAGCCTCC 60
Db 1798 GACACCAGCAAAATTTCCCGAGCCCTCTCGTAGTTTATGCAAAATATTCGCCAAGGAGCCTCC 1857

QY 61 CCAATTCTCAGGGCCAGTGTACAGCCCTGATTCGAATCAGTGAATGAAAAACAGTTACC 120
Db 1858 CCAATTCTCAGGGCCAGTGTACAGCCCTGATTCGAATCAGTGAATGAAAAACAGTTACC 1917

QY 121 TTGGAACACTCTGGATAATGAGCAGGNGCTGATGCTACTAAGGATGACGGTGCTACTCA 180
Db 1918 TTGGAACACTCTGGATAATGAGCAGGNGCTGATGCTACTAAGGATGACGGTGCTACTCA 1977

QY 181 AGGTATTTCACAACTTATGACAGAAATGGTAGATACAGTGTAAAAAGTGCGGGCTC 235
Db 1978 AGGTATTTCACAACTTATGACAGAAATGGTAGATACAGTGTAAAAAGTGCGGGCTC 2032

RESULT 8
US-10-106-698-1971
; Sequence 1971, Application US/10106698
; Publication No. US2003010960A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Po
; FILE REFERENCE: PA005P1
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 1971
; LENGTH: 2854
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-106-698-1971

Query Match 100.0%; Score 235; DB 15; Length 2854;
Best Local Similarity 100.0%; Pred. No. 2.8e-69;
Matches 235; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GACACCAGCAAAATTTCCCGAGCCCTCTCGTAGTTTATGCAAAATATTCGCCAAGGAGCCTCC 60
Db 1832 GACACCAGCAAAATTTCCCGAGCCCTCTCGTAGTTTATGCAAAATATTCGCCAAGGAGCCTCC 1891

QY 61 CCAATTCTCAGGGCCAGTGTACAGCCCTGATTCGAATCAGTGAATGAAAAACAGTTACC 120
Db 1892 CCAATTCTCAGGGCCAGTGTACAGCCCTGATTCGAATCAGTGAATGAAAAACAGTTACC 1951

QY 121 TTGGAACACTCTGGATAATGAGCAGGNGCTGATGCTACTAAGGATGACGGTGCTACTCA 180
Db 1952 TTGGAACACTCTGGATAATGAGCAGGNGCTGATGCTACTAAGGATGACGGTGCTACTCA 2011

QY 181 AGGTATTTCACAACTTATGACAGAAATGGTAGATACAGTGTAAAAAGTGCGGGCTC 235
Db 2012 AGGTATTTCACAACTTATGACAGAAATGGTAGATACAGTGTAAAAAGTGCGGGCTC 2066

RESULT 9
US-10-106-698-351
; Sequence 351, Application US/10106698

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Db 1904 CCAATTCTCAGGCCAGTGTCTCAGCCCTGATTGAATCAGTGAATGAAAAACAGTTACC 1963
Qy 121 TTGGAACTACTGGATAATGAGCAGTGTCTGATGCTACTAAGGATGACGGTGTCTACTCA 180
Db 1964 TTGGAACTACTGGATAATGAGCAGTGTCTGATGCTACTAAGGATGACGGTGTCTACTCA 2023
Qy 181 AGTATTTTCCAACTTATGACACGAATGCTAGATACAGTGTAAAAAGTGGGGGCTC 235
Db 2024 AGTATTTTCCAACTTATGACACGAATGCTAGATACAGTGTAAAAAGTGGGGGCTC 2078

RESULT 11
US-10-106-698-2111
; Sequence 2111, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide
; FILE REFERENCE: PA005F1
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: Patentin Ver. 3.0
; SEQ ID NO 2111
; LENGTH: 3109
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-106-698-2111

Query Match 100.0%; Score 235; DB 15; Length 3109;
Best Local Similarity 100.0%; Pred. No. 2.9e-69;
Matches 235; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 GACACAGCAAAATTCCTCCAGCCCTCTGGTAGTTTATGCAAAATTTGCGCAAGAGGCTCC 60
Db 1685 GACACAGCAAAATTCCTCCAGCCCTCTGGTAGTTTATGCAAAATTTGCGCAAGAGGCTCC 1744
Qy 61 CCAATTCTCAGGCCAGTGTCTCAGCCCTGATTGAATCAGTGAATGAAAAACAGTTACC 120
Db 1745 CCAATTCTCAGGCCAGTGTCTCAGCCCTGATTGAATCAGTGAATGAAAAACAGTTACC 1804
Qy 121 TTGGAACTACTGGATAATGAGCAGTGTCTGATGCTACTAAGGATGACGGTGTCTACTCA 180
Db 1805 TTGGAACTACTGGATAATGAGCAGTGTCTGATGCTACTAAGGATGACGGTGTCTACTCA 1864
Qy 181 AGTATTTTCCAACTTATGACACGAATGCTAGATACAGTGTAAAAAGTGGGGGCTC 235
Db 1865 AGTATTTTCCAACTTATGACACGAATGCTAGATACAGTGTAAAAAGTGGGGGCTC 1919

RESULT 12
US-09-823-356-25
; Sequence 25, Application US/09823356
; Patent No. US20010025098A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Bandman, Olga
; APPLICANT: Lal, Preeti
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Yue, Henry
; APPLICANT: Corley, Neil C.
; APPLICANT: Guegler, Karl J.
; APPLICANT: Kaser, Matthew R.
; APPLICANT: Baughn, Mariah R.
; APPLICANT: Shah, Purvi
; TITLE OF INVENTION: HUMAN MEMBRANE SPANNING PROTEINS

; FILE REFERENCE: PF-0489-1 CON
; CURRENT APPLICATION NUMBER: US/09/823,356
; CURRENT FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/039,307
; PRIOR FILING DATE: 1998 March 13
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PERL Program
; SEQ ID NO 25
; LENGTH: 3111
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20010025098A1 1737775
US-09-823-356-25

Query Match 100.0%; Score 235; DB 9; Length 3111;
Best Local Similarity 100.0%; Pred. No. 2.9e-69;
Matches 235; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 GACACAGCAAAATTCCTCCAGCCCTCTGGTAGTTTATGCAAAATTTGCGCAAGAGGCTCC 60
Db 1831 GACACAGCAAAATTCCTCCAGCCCTCTGGTAGTTTATGCAAAATTTGCGCAAGAGGCTCC 1890
Qy 61 CCAATTCTCAGGCCAGTGTCTCAGCCCTGATTGAATCAGTGAATGAAAAACAGTTACC 120
Db 1891 CCAATTCTCAGGCCAGTGTCTCAGCCCTGATTGAATCAGTGAATGAAAAACAGTTACC 1950
Qy 121 TTGGAACTACTGGATAATGAGCAGTGTCTGATGCTACTAAGGATGACGGTGTCTACTCA 180
Db 1951 TTGGAACTACTGGATAATGAGCAGTGTCTGATGCTACTAAGGATGACGGTGTCTACTCA 2010
Qy 181 AGTATTTTCCAACTTATGACACGAATGCTAGATACAGTGTAAAAAGTGGGGGCTC 235
Db 2011 AGTATTTTCCAACTTATGACACGAATGCTAGATACAGTGTAAAAAGTGGGGGCTC 2065

RESULT 13
US-09-981-353-191
; Sequence 191, Application US/09981353
; Patent No. US20020160382A1
; GENERAL INFORMATION:
; APPLICANT: Lasek, Amy W.
; APPLICANT: Jones, David A.
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0038 US
; CURRENT APPLICATION NUMBER: US/09/981,353
; CURRENT FILING DATE: 2001-10-11
; NUMBER OF SEQ ID NOS: 194
; SOFTWARE: PERL Program
; SEQ ID NO 191
; LENGTH: 3111
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20020160382A1 1737775CB1
US-09-981-353-191

Query Match 100.0%; Score 235; DB 9; Length 3111;
Best Local Similarity 100.0%; Pred. No. 2.9e-69;
Matches 235; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 GACACAGCAAAATTCCTCCAGCCCTCTGGTAGTTTATGCAAAATTTGCGCAAGAGGCTCC 60
Db 1831 GACACAGCAAAATTCCTCCAGCCCTCTGGTAGTTTATGCAAAATTTGCGCAAGAGGCTCC 1890
Qy 61 CCAATTCTCAGGCCAGTGTCTCAGCCCTGATTGAATCAGTGAATGAAAAACAGTTACC 120
Db 1891 CCAATTCTCAGGCCAGTGTCTCAGCCCTGATTGAATCAGTGAATGAAAAACAGTTACC 1950
Qy 121 TTGGAACTACTGGATAATGAGCAGTGTCTGATGCTACTAAGGATGACGGTGTCTACTCA 180

Db 1951 TTGGAACACTGGATAAATGAGCAGCGTCTGATGCTACTAAGGATGACGGTGTCTACTCA 2010
QY 181 AGGTATTTTCCAACTTATGACACGAGTGTAGATACAGTGTAAAGTGGGGCTC 235
Db 2011 AGGTATTTTCCAACTTATGACACGAGTGTAGATACAGTGTAAAGTGGGGCTC 2065

RESULT 14
US-10-235-994-25
; Sequence 25, Application US/10235994
; Publication No. US20030101002A1
; GENERAL INFORMATION:
; APPLICANT: Bartha, Gabor
; APPLICANT: Walker, Michael
; TITLE OF INVENTION: METHODS FOR ANALYZING GENE EXPRESSION PATTERNS
; FILE REFERENCE: ICYTP012
; CURRENT APPLICATION NUMBER: US/10/235,994
; CURRENT FILING DATE: 2002-09-04
; PRIOR APPLICATION NUMBER: US/10/003,608
; PRIOR FILING DATE: 2001-11-01
; PRIOR APPLICATION NUMBER: 60/245,081
; PRIOR FILING DATE: 2000-11-01
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 25
; LENGTH: 3111
; TYPE: DNA
; ORGANISM: Human
US-10-235-994-25

Query Match 100.0%; Score 235; DB 15; Length 3111;
Best Local Similarity 100.0%; Pred. No. 2.9e-69;
Matches 235; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GACACAGCAAAATTCCTCCAGCCCTCTGGTAGTTTATGCAAAATATTCGCCAAGAGCCTCC 60
Db 1831 GACACAGCAAAATTCCTCCAGCCCTCTGGTAGTTTATGCAAAATATTCGCCAAGAGCCTCC 1890

QY 61 CCAATTCCTCAGGGCCAGTGTCAAGCCCTGATTGAATCAGTGAATGGAATAACAGTTACC 120
Db 1891 CCAATTCCTCAGGGCCAGTGTCAAGCCCTGATTGAATCAGTGAATGGAATAACAGTTACC 1950

QY 121 TTGGAACACTGGATAAATGAGCAGCGTCTGATGCTACTAAGGATGACGGTGTCTACTCA 180
Db 1951 TTGGAACACTGGATAAATGAGCAGCGTCTGATGCTACTAAGGATGACGGTGTCTACTCA 2010

QY 181 AGGTATTTTCCAACTTATGACACGAGTGTAGATACAGTGTAAAGTGGGGCTC 235
Db 2011 AGGTATTTTCCAACTTATGACACGAGTGTAGATACAGTGTAAAGTGGGGCTC 2065

RESULT 15
US-09-764-868-22
; Sequence 22, Application US/09764868
; Patent No. US20020168711A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PT232
; CURRENT APPLICATION NUMBER: US/09/764,868
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 1510
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 22
; LENGTH: 3267
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-868-22

Query Match 100.0%; Score 235; DB 9; Length 3267;
Best Local Similarity 100.0%; Pred. No. 3e-69;
Matches 235; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GACACAGCAAAATTCCTCCAGCCCTCTGGTAGTTTATGCAAAATATTCGCCAAGAGCCTCC 60
Db 1832 GACACAGCAAAATTCCTCCAGCCCTCTGGTAGTTTATGCAAAATATTCGCCAAGAGCCTCC 1891

QY 61 CCAATTCCTCAGGGCCAGTGTCAAGCCCTGATTGAATCAGTGAATGGAATAACAGTTACC 120
Db 1892 CCAATTCCTCAGGGCCAGTGTCAAGCCCTGATTGAATCAGTGAATGGAATAACAGTTACC 1951

QY 121 TTGGAACACTGGATAAATGAGCAGCGTCTGATGCTACTAAGGATGACGGTGTCTACTCA 180
Db 1952 TTGGAACACTGGATAAATGAGCAGCGTCTGATGCTACTAAGGATGACGGTGTCTACTCA 2011

QY 181 AGGTATTTTCCAACTTATGACACGAGTGTAGATACAGTGTAAAGTGGGGCTC 235
Db 2012 AGGTATTTTCCAACTTATGACACGAGTGTAGATACAGTGTAAAGTGGGGCTC 2066

Search completed: April 24, 2004, 06:38:13
Job time : 125.762 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: April 24, 2004, 00:33:00 ; Search time 21.6012 Seconds
(without alignments)
6037.311 Million cell updates/sec

Title: US-09-049-696-12

Perfect score: 235

Sequence: 1 GACACAGCAATTCACAG.....CAGTGTAAAGTCCGGGTC 235

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA.*

- 1: /cgn2_6/prodata/2/ina/5A COMB.seq.*
- 2: /cgn2_6/prodata/2/ina/5B COMB.seq.*
- 3: /cgn2_6/prodata/2/ina/6A COMB.seq.*
- 4: /cgn2_6/prodata/2/ina/6B COMB.seq.*
- 5: /cgn2_6/prodata/2/ina/PCTUS COMB.seq.*
- 6: /cgn2_6/prodata/2/ina/backfileseq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	235	100.0	1512	4	US-09-016-434-850
2	235	100.0	2745	4	US-09-623-624-5
3	235	100.0	3007	4	US-09-193-562D-27
4	176.4	75.1	2931	4	US-09-623-624-1
5	127.8	54.4	1081	4	US-09-016-434-928
6	127.8	54.4	1399	4	US-09-049-698-17
7	127.8	54.4	3043	4	US-09-049-698-16
8	127.8	54.4	3181	4	US-09-049-698-18
9	113.2	48.2	3022	4	US-09-193-562D-33
10	107.4	45.7	546	4	US-09-643-597-129
11	107.4	45.7	546	4	US-09-480-884A-129
12	107.4	45.7	546	4	US-09-542-615A-129
13	107.4	45.7	546	4	US-09-606-421B-129
14	107.4	45.7	546	4	US-09-221-107-129
15	107.4	45.7	2773	4	US-09-643-597-358
16	107.4	45.7	2784	4	US-09-643-597-168
17	107.4	45.7	2784	4	US-09-480-884A-168
18	107.4	45.7	2784	4	US-09-542-615A-168
19	107.4	45.7	2784	4	US-09-606-421B-168
20	107.4	45.7	2970	4	US-09-193-562D-31
21	107.4	45.7	3156	4	US-09-919-172-86
22	107.4	45.7	3190	4	US-09-623-624-3
23	107.4	45.7	3951	4	US-09-643-597-160
24	107.4	45.7	3951	4	US-09-480-884A-160
25	107.4	45.7	3951	4	US-09-542-615A-160
26	107.4	45.7	3951	4	US-09-606-421B-160
27	107.4	45.7	3951	4	US-09-221-107-160

28	107.4	45.7	8031	4	US-09-643-597-254	Sequence 254, Appl
29	107.4	45.7	8031	4	US-09-480-884A-254	Sequence 254, Appl
30	107.4	45.7	8031	4	US-09-542-615A-254	Sequence 254, Appl
31	107.4	45.7	8031	4	US-09-606-421B-254	Sequence 254, Appl
32	107	45.5	3418	4	US-09-193-562D-29	Sequence 29, Appl
33	105.6	44.9	241	4	US-09-049-698-7	Sequence 7, Appl
34	103.4	44.0	3317	4	US-09-193-562D-1	Sequence 1, Appl
35	101.4	43.1	576	3	US-09-385-982-23	Sequence 23, Appl
36	90.4	38.5	611	3	US-09-385-982-27	Sequence 27, Appl
37	65	27.7	878	1	US-08-469-667-8	Sequence 8, Appl
38	65	27.7	878	4	US-09-224-110-8	Sequence 8, Appl
39	65	27.7	878	5	PCT-US95-07289-8	Sequence 8, Appl
40	57.6	24.5	242	4	US-09-049-698-8	Sequence 8, Appl
41	47	20.0	421	4	US-09-621-976-2831	Sequence 2831, Ap
C 42	35.6	15.1	1830121	4	US-09-557-884-1	Sequence 1, Appl
C 43	35.6	15.1	1830121	4	US-09-643-990A-1	Sequence 1, Appl
44	31.4	13.4	531	2	US-08-809-267-9	Sequence 9, Appl
45	31.4	13.4	531	5	PCT-US95-13662A-9	Sequence 9, Appl

ALIGNMENTS

RESULT 1
US-09-016-434-850
; Sequence 850, Application US/09016434
; Patent No. 6500938
; GENERAL INFORMATION:
; APPLICANT: Janice Au-Young
; APPLICANT: Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING
; TITLE OF INVENTION: PATHWAY GENE EXPRESSION
; NUMBER OF SEQUENCES: 1490
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/016,434
; FILING DATE: HEREWITH
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Zeller, Karen J.
; REGISTRATION NUMBER: 37,071
; REFERENCE/DOCKET NUMBER: PA-0002 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 850:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1512 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: COLNNOT01
; CLONE: 608819
; US-09-016-434-850

Query Match 100.0%; Score 235; DB 4; Length 1512;
Best Local Similarity 100.0%; Pred. No. 2.9e-73;


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; SOFTWARE: word perfect 6.1 for windows/ms-dos 6.2  
; :  
; CURRENT APPLICATION DATA:
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; ZIF: 60064-3300
; COMPUTER READABLE FORM:

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; :  
; SOFTWARE: word perfect 6.1 FOR WINDOWS/MS-DOS 6.2  
; :  
; CURRENT APPLICATION DATA:
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COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/049,698
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/828,856
FILING DATE: 31-MAR-1997
ATTORNEY/AGENT INFORMATION:
NAME: Becker, Cheryl L.
REGISTRATION NUMBER: 35,441
REFERENCE/DOCKET NUMBER: 6068.US.P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/935-1729
TELEFAX: 847/938-2623
TELEX:
INFORMATION FOR SEQ ID NO: 17:
SEQUENCE CHARACTERISTICS:
LENGTH: 1399 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-049-698-17

Query Match 54.4%; Score 127.8; DB 4; Length 1399;
Best Local Similarity 71.5%; Pred. No. 2.7e-35;
Matches 168; Conservative 0; Mismatches 67; Indels 0; Gaps 0;
QY 1 GACACCAGCAAAATCCCGAGCCCTCTGGTAGTTTATGCAAAATATTCGCCAAGGAGCCTCC 60
DB 49 GACGTAACAGATTTCGCCAGCCCAATGATGTTTACGAGAAATCTACAGGATATGTA 108
QY 61 CCAATTCTCAGGCGCAGTGTACAGCCCTGATGTAATCATAGTGAATGGAATAACAGTTACC 120
DB 109 CCTGTTCTTGGAGCCAATGTGACTGCTTTCATTGAATCAGAAATGGACATACAGAAGTT 168
QY 121 TTGGAACACTGATGTAATGAGCAGGTGCTGATGCTTACTTAAGATGACGGTCTTACTCA 180
DB 169 TTGGAACCTTTTGGATAATGGTCAGCGCTGATTTCTTCAAGAATGATGGAGTCTACTCC 228
QY 181 AGGTATTTTACAACTTATCACACGAAATGGTAGATACAGTGTAAAGTGGGGCTC 235
DB 229 AGGTATTTTACAGCATATACAGAAATGGCAGATATAGCTTAAAGTTTCGGGCTC 283

RESULT 7
US-09-049-698-16
Sequence 16, Application US/09049698
Patent No. 6368792
GENERAL INFORMATION:
APPLICANT: BILLING-MEDEL, PATRICIA A.
APPLICANT: COHEN, MAURICE
APPLICANT: COLPITTS, TRACEY L.
APPLICANT: FRIEDMAN, PAULA N.
APPLICANT: HAYDEN, MARK
APPLICANT: KLASS, MICHAEL R.
APPLICANT: ROBERTS-RAPP, LISA
APPLICANT: RUSSELL, JOHN C.
APPLICANT: STROUPE, STEPHEN D.
TITLE OF INVENTION: REAGENTS AND METHODS FOR THE
TITLE OF INVENTION: USEFUL FOR DETECTING DISEASES OF THE GASTROINTESTINAL
NUMBER OF SEQUENCES: 51
CORRESPONDENCE ADDRESS:
ADDRESSEE: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/049,698
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/828,856
FILING DATE: 31-MAR-1997
ATTORNEY/AGENT INFORMATION:
NAME: Becker, Cheryl L.
REGISTRATION NUMBER: 35,441
REFERENCE/DOCKET NUMBER: 6068.US.P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/935-1729
TELEFAX: 847/938-2623
TELEX:
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 3043 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-049-698-16
Query Match 54.4%; Score 127.8; DB 4; Length 3043;
Best Local Similarity 71.5%; Pred. No. 4e-35;
Matches 168; Conservative 0; Mismatches 67; Indels 0; Gaps 0;
QY 1 GACACCAGCAAAATCCCGAGCCCTCTGGTAGTTTATGCAAAATATTCGCCAAGGAGCCTCC 60
DB 1820 GACGTAACAGATTTCGCCAGCCCAATGATGTTTACGAGAAATCTACAGGATATGTA 1879
QY 61 CCAATTCTCAGGCGCAGTGTACAGCCCTGATGTAATCATAGTGAATGGAATAACAGTTACC 120
DB 1880 CCTGTTCTTGGAGCCAATGTGACTGCTTTCATTGAATCAGAAATGGACATACAGAAGTT 1939
QY 121 TTGGAACACTGATGTAATGAGCAGGTGCTGATGCTTACTTAAGATGACGGTCTTACTCA 180
DB 1940 TTGGAACCTTTTGGATAATGGTCAGCGCTGATTTCTTCAAGAATGATGGAGTCTACTCC 1999
QY 181 AGGTATTTTACAACTTATCACACGAAATGGTAGATACAGTGTAAAGTGGGGCTC 235
DB 2000 AGGTATTTTACAGCATATACAGAAATGGCAGATATAGCTTAAAGTTTCGGGCTC 2054
RESULT 8
US-09-049-698-18
Sequence 18, Application US/09049698
Patent No. 6368792
GENERAL INFORMATION:
APPLICANT: BILLING-MEDEL, PATRICIA A.
APPLICANT: COHEN, MAURICE
APPLICANT: COLPITTS, TRACEY L.
APPLICANT: FRIEDMAN, PAULA N.
APPLICANT: HAYDEN, MARK
APPLICANT: KLASS, MICHAEL R.
APPLICANT: ROBERTS-RAPP, LISA
APPLICANT: RUSSELL, JOHN C.
APPLICANT: STROUPE, STEPHEN D.
TITLE OF INVENTION: REAGENTS AND METHODS FOR THE
TITLE OF INVENTION: USEFUL FOR DETECTING DISEASES OF THE GASTROINTESTINAL
NUMBER OF SEQUENCES: 51
CORRESPONDENCE ADDRESS:
ADDRESSEE: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: IL
COUNTRY: USA
ZIP: 60064-3500


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; APPLICANT: Fan, Liqun
; APPLICANT: Hosken, Nancy A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY
; FILE REFERENCE: 210121.455C6
; CURRENT APPLICATION NUMBER: US/09/480,884A
; CURRENT FILING DATE: 2001-08-27
; NUMBER OF SEQ ID NOS: 330
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 129
; LENGTH: 546
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-480-884A-129

Query Match      45.7%; Score 107.4; DB 4; Length 546;
Best Local Similarity 66.8%; Pred. No. 2.8e-28;
Matches 153; Conservative 0; Mismatches 76; Indels 0; Gaps 0;

QY 1 GACACAGCAAAATCCCGAGCCCTCTGGTAGTTTATGCAAAATATTCGCCAAGGAGCCTCC 60
   |||||
Db 484 GACAGCTCCATTTTCTCATCTCTGTGATGATTTATGCCAATGTGAAACAGGGATTTTAT 425

QY 61 CCAATTTCTCAGGCGCCAGTGTCAAGCCCTGATTGAATCATGTAATCGAAAAACAGTTACC 120
   |||||
Db 424 CCATTTCTTAATGCCACTGTCACTGCCACAGTTGAGCCAGAGACTGGAGATCCTGTTACG 365

QY 121 TTGGAACACTGATAATGGAGCAGGTGCTGATGCTACTTAAGGATGACGGTGTCTACTCA 180
   |||||
Db 364 CTGAGACTCCTTGTGATGGAGCAGGTGCTGATGTTATAAAAAATGATGGAATTTACTCG 305

QY 181 AGTATTTCACAACTTATGACACGAATGATGATGATGATGATGATGATGATGATGATGATG 229
   |||||
Db 304 AGGTATTTTCTCCTTTGCTGCAAAATGATAGATATAGCTTGAAGATGC 256

; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 129
; LENGTH: 546
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-542-615A-129

Query Match      45.7%; Score 107.4; DB 4; Length 546;
Best Local Similarity 66.8%; Pred. No. 2.8e-28;
Matches 153; Conservative 0; Mismatches 76; Indels 0; Gaps 0;

QY 1 GACACAGCAAAATCCCGAGCCCTCTGGTAGTTTATGCAAAATATTCGCCAAGGAGCCTCC 60
   |||||
Db 484 GACAGCTCCATTTTCTCATCTCTGTGATGATTTATGCCAATGTGAAACAGGGATTTTAT 425

QY 61 CCAATTTCTCAGGCGCCAGTGTCAAGCCCTGATTGAATCATGTAATCGAAAAACAGTTACC 120
   |||||
Db 424 CCATTTCTTAATGCCACTGTCACTGCCACAGTTGAGCCAGAGACTGGAGATCCTGTTACG 365

QY 121 TTGGAACACTGATAATGGAGCAGGTGCTGATGCTACTTAAGGATGACGGTGTCTACTCA 180
   |||||
Db 364 CTGAGACTCCTTGTGATGGAGCAGGTGCTGATGTTATAAAAAATGATGGAATTTACTCG 305

QY 181 AGTATTTCACAACTTATGACACGAATGATGATGATGATGATGATGATGATGATGATGATG 229
   |||||
Db 304 AGGTATTTTCTCCTTTGCTGCAAAATGATAGATATAGCTTGAAGATGC 256

; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 129
; LENGTH: 546
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-542-615A-129

Query Match      45.7%; Score 107.4; DB 4; Length 546;
Best Local Similarity 66.8%; Pred. No. 2.8e-28;
Matches 153; Conservative 0; Mismatches 76; Indels 0; Gaps 0;

QY 1 GACACAGCAAAATCCCGAGCCCTCTGGTAGTTTATGCAAAATATTCGCCAAGGAGCCTCC 60
   |||||
Db 484 GACAGCTCCATTTTCTCATCTCTGTGATGATTTATGCCAATGTGAAACAGGGATTTTAT 425

QY 61 CCAATTTCTCAGGCGCCAGTGTCAAGCCCTGATTGAATCATGTAATCGAAAAACAGTTACC 120
   |||||
Db 424 CCATTTCTTAATGCCACTGTCACTGCCACAGTTGAGCCAGAGACTGGAGATCCTGTTACG 365
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QY 121 TTGGAACACTGATAATGGAGCAGGTGCTGATGCTACTTAAGGATGACGGTGTCTACTCA 180
   |||||
Db 364 CTGAGACTCCTTGTGATGGAGCAGGTGCTGATGTTATAAAAAATGATGGAATTTACTCG 305

QY 181 AGTATTTCACAACTTATGACACGAATGATGATGATGATGATGATGATGATGATGATGATG 229
   |||||
Db 304 AGGTATTTTCTCCTTTGCTGCAAAATGATAGATATAGCTTGAAGATGC 256

; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 129
; LENGTH: 546
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-606-421B-129/c

Query Match      45.7%; Score 107.4; DB 4; Length 546;
Best Local Similarity 66.8%; Pred. No. 2.8e-28;
Matches 153; Conservative 0; Mismatches 76; Indels 0; Gaps 0;

QY 1 GACACAGCAAAATCCCGAGCCCTCTGGTAGTTTATGCAAAATATTCGCCAAGGAGCCTCC 60
   |||||
Db 484 GACAGCTCCATTTTCTCATCTCTGTGATGATTTATGCCAATGTGAAACAGGGATTTTAT 425

QY 61 CCAATTTCTCAGGCGCCAGTGTCAAGCCCTGATTGAATCATGTAATCGAAAAACAGTTACC 120
   |||||
Db 424 CCATTTCTTAATGCCACTGTCACTGCCACAGTTGAGCCAGAGACTGGAGATCCTGTTACG 365

QY 121 TTGGAACACTGATAATGGAGCAGGTGCTGATGCTACTTAAGGATGACGGTGTCTACTCA 180
   |||||
Db 364 CTGAGACTCCTTGTGATGGAGCAGGTGCTGATGTTATAAAAAATGATGGAATTTACTCG 305

QY 181 AGTATTTCACAACTTATGACACGAATGATGATGATGATGATGATGATGATGATGATGATG 229
   |||||
Db 304 AGGTATTTTCTCCTTTGCTGCAAAATGATAGATATAGCTTGAAGATGC 256

; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 129
; LENGTH: 546
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-606-421B-129
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US-09-542-615A-129/c

Query Match      45.7%; Score 107.4; DB 4; Length 546;
Best Local Similarity 66.8%; Pred. No. 2.8e-28;
Matches 153; Conservative 0; Mismatches 76; Indels 0; Gaps 0;

QY 1 GACACAGCAAAATCCCGAGCCCTCTGGTAGTTTATGCAAAATATTCGCCAAGGAGCCTCC 60
   |||||
Db 484 GACAGCTCCATTTTCTCATCTCTGTGATGATTTATGCCAATGTGAAACAGGGATTTTAT 425

QY 61 CCAATTTCTCAGGCGCCAGTGTCAAGCCCTGATTGAATCATGTAATCGAAAAACAGTTACC 120
   |||||
Db 424 CCATTTCTTAATGCCACTGTCACTGCCACAGTTGAGCCAGAGACTGGAGATCCTGTTACG 365

QY 121 TTGGAACACTGATAATGGAGCAGGTGCTGATGCTACTTAAGGATGACGGTGTCTACTCA 180
   |||||
Db 364 CTGAGACTCCTTGTGATGGAGCAGGTGCTGATGTTATAAAAAATGATGGAATTTACTCG 305

QY 181 AGTATTTCACAACTTATGACACGAATGATGATGATGATGATGATGATGATGATGATGATG 229
   |||||
Db 304 AGGTATTTTCTCCTTTGCTGCAAAATGATAGATATAGCTTGAAGATGC 256

; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 129
; LENGTH: 546
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-542-615A-129

Query Match      45.7%; Score 107.4; DB 4; Length 546;
Best Local Similarity 66.8%; Pred. No. 2.8e-28;
Matches 153; Conservative 0; Mismatches 76; Indels 0; Gaps 0;

QY 1 GACACAGCAAAATCCCGAGCCCTCTGGTAGTTTATGCAAAATATTCGCCAAGGAGCCTCC 60
   |||||
Db 484 GACAGCTCCATTTTCTCATCTCTGTGATGATTTATGCCAATGTGAAACAGGGATTTTAT 425

QY 61 CCAATTTCTCAGGCGCCAGTGTCAAGCCCTGATTGAATCATGTAATCGAAAAACAGTTACC 120
   |||||
Db 424 CCATTTCTTAATGCCACTGTCACTGCCACAGTTGAGCCAGAGACTGGAGATCCTGTTACG 365
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; ORGANISM: Human
US-09-221-107-129

Search completed: April 24, 2004, 05:01:08
Job time : 22.6012 secs

Job time : 22.6012 secs

Query Match	45.7%	Score 107.4	DB 4	Length 546
Best Local Similarity	66.8%	Pred. No. 2.8e-28		
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QY	1	GACACGAGCAAAATCCCCAGCCCTCTGGTAGTATTTATGCAAAATATTCGCCAAGGAGCGCTCC	60	
DB	484	GACAGCCTCCATTTTCCCTCATCTCTGATGATTTATGCCAATGTGAACAGGGAATTTAT	425	
QY	61	CGAATTTCTAGGGCCAGTGTCACAGCCCTGATTTGAATCAGTGAATGAAAAACAGTTACC	120	
DB	424	CCCATTTCTTAATGCCATGTGTCACTGCCACAGTTTGAGCCAGAGACTGGAGATCCTGTTTACG	365	
QY	121	TTGGAACTACTGGATAATGAGCAGGTCGTGATGCTACTAAGGATGACGGTGTCTACTCA	180	
DB	364	CTGAGACTCCTTGATGATGAGCAGGTCGTGATGTTATAAAAAATGATGAATTTACTCG	305	
QY	181	AGGTAATTTCAACTTATGACACGAATGGTAGATACAGTGTAAAGTGC	229	
DB	304	AGGTAATTTTCTTCCTTTCTGCAAAATGGTAGATATAGCTTTGAAAGTGC	256	

RESULT 15

US-09-643-597-358
: Sequence 358, Application US/09643597

: Sequence 338, Appl.
: Patent No. 6426072

Patent No. 6426072
: GENERAL INFORMATION:

GENERAL INFORMATION:

APPLICANT: Wang, Tong

; APPLICANT: Fan, Liqun

APPLICANT: Kalos, Michael D.

APPLICANT: Bangur, Chaitanya S.

APPLICANT: Hosken, Nancy

APPLICANT: Fanger, Gary

APPLICANT: Fanger, Gary
APPLICANT: Fanger, Gary

APPLICANT: Li, Samuel X.

APPLICANT: Wang, Aijun

; APPLICANT: Skeiky, Yasir A.W.

APPLICANT: Henderson, Robert A.

APPLICANT: McNeill, Patricia D.

```

; ALLEGRA, MENCINI, FACCHINI, COMPOSITIO
; TITLE OF INVENTION: COMPOSITIO

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1. TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE TREATMENT OF CANCER

FILE REFERENCE: 210121 455C11

FILE REFERENCE: 210121.45;
CURRENT APPLICATION NUMBER:

; CURRENT APPLICATION NUMBER: US/09/643,597

;
CURRENT FILING

; NUMBER OF SEQ

; SOFTWARE:

; SEQ ID NO 358

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; SEQ ID NO 338
:   LENGTH: 2773

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Query Match	45.7%	Score 107.4;	DB 4;	Length 2773;
Best Local Similarity	66.8%;	Pred. No. 6.5e-28;		
Matches 153;	Conservative	0;	Mismatches 76;	Indels 0;
				Gaps 0;

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GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM nucleic - protein search, using frame_plus_n2p model

Run on: April 21, 2004, 16:13:49 ; Search time 34.5229 Seconds
(without alignments)
3840.718 Million cell updates/sec

Title: US-09-049-696-3
Perfect score: 442
Sequence: 1 AAAATGCTGATGTTCTGTTT.....GAAATCTTACTTATCAATG 240

Scoring table: BLOSUM62
Xgapop 10.0, Xgapext 0.5
Ygapop 10.0, Ygapext 0.5
Fgapop 6.0, Fgapext 7.0
Delop 6.0, Delext 7.0

Searched: 1133595 seqs, 276475211 residues

Total number of hits satisfying chosen parameters: 2267190

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Command line parameters:
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-O=/cgn2_1/USPTO_spool_p/US09049696/runat_21042004_154838_21265/app_query.fasta_1.13694
-DB=Published Applications AA -QWITS=fascan -SUFFIX=n2p.rapb -MINMATCH=0.1
-LOOPCL=0 -LOOPEXT=0 -UNITS=bits -START=1 -END=-1 -MATRIX=blosum62
-TRANS=human40.cdi -LIST=45 -DOCLALIGN=200 -THR SCORE=pct -THR MAX=100
-THR MIN=0 -ALIGN=5 -MODE=LOCAL -OUTFMT=ptc -NORM=ext -HEAPSIZE=500 -MINLEN=0
-MAXLEN=2000000000 -USBR=US09049696 @CNG 1.1 139 @runat_21042004_154838_21265
-NCPU=6 -ICPU=3 -NO MMAP -LARGEQUERY -NEG SCORES=0 -WAIT -DSPBLOCK=100
-LONGLOG -DEV_TIMEOUT=120 -WARN_TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5
-FGAPOP=6 -FGAPEXT=7 -FGAPEXT=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database : Published Applications AA:
1: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pcp.*
2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pcp.*
3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pcp.*
4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pcp.*
5: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB.pcp.*
6: /cgn2_6/ptodata/2/pubpaa/PCTUS_PUBCOMB.pcp.*
7: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB.pcp.*
8: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pcp.*
9: /cgn2_6/ptodata/2/pubpaa/US09A_PUBCOMB.pcp.*
10: /cgn2_6/ptodata/2/pubpaa/US09B_PUBCOMB.pcp.*
11: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pcp.*
12: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pcp.*
13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pcp.*
14: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pcp.*
15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pcp.*
16: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pcp.*
17: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pcp.*
18: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pcp.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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1	442	100.0	869	14	US-10-106-698-6388	Sequence 6388, Ap
2	442	100.0	914	9	US-09-823-356-8	Sequence 8, Appli
3	442	100.0	914	9	US-09-981-353-192	Sequence 192, App
4	442	100.0	914	11	US-09-833-245-2054	Sequence 2054, Ap
5	442	100.0	914	14	US-10-270-595-6	Sequence 6, Appli
6	442	100.0	914	14	US-10-235-994-26	Sequence 26, Appl
7	442	100.0	914	14	US-10-060-255-42	Sequence 42, Appl
8	442	100.0	925	9	US-09-764-868-635	Sequence 635, App
9	442	100.0	925	14	US-10-106-698-6248	Sequence 1066, Ap
10	439	99.3	914	9	US-09-922-217-1066	Sequence 1066, Ap
11	439	99.3	914	9	US-09-833-263-1066	Sequence 1066, Ap
12	439	99.3	914	13	US-10-025-380-1066	Sequence 1066, Ap
13	439	99.3	914	14	US-10-055-412B-28	Sequence 28, Appl
14	439	99.3	914	15	US-10-369-214-133	Sequence 133, App
15	356	80.5	913	14	US-10-270-595-2	Sequence 2, Appli
16	356	80.5	913	15	US-10-369-214-132	Sequence 132, App
17	306	69.2	917	9	US-09-981-353-54	Sequence 54, Appl
18	306	69.2	917	14	US-10-235-994-16	Sequence 16, Appl
19	306	69.2	917	14	US-10-345-680-32	Sequence 32, Appl
20	306	69.2	917	15	US-10-369-214-134	Sequence 134, App
21	306	69.2	917	15	US-10-087-080-34	Sequence 34, Appl
22	306	69.2	919	9	US-09-989-723-379	Sequence 379, App
23	306	69.2	919	9	US-09-989-723-379	Sequence 379, App
24	306	69.2	919	9	US-09-989-723-379	Sequence 379, App
25	306	69.2	919	9	US-09-989-727-379	Sequence 379, App
26	306	69.2	919	9	US-09-989-731-379	Sequence 379, App
27	306	69.2	919	9	US-09-989-732-379	Sequence 379, App
28	306	69.2	919	9	US-09-991-073-379	Sequence 379, App
29	306	69.2	919	9	US-09-990-442-379	Sequence 379, App
30	306	69.2	919	9	US-09-991-163-379	Sequence 379, App
31	306	69.2	919	9	US-09-993-604-379	Sequence 379, App
32	306	69.2	919	9	US-09-990-456-379	Sequence 379, App
33	306	69.2	919	9	US-09-989-721-379	Sequence 379, App
34	306	69.2	919	9	US-09-992-598-379	Sequence 379, App
35	306	69.2	919	9	US-09-989-293A-379	Sequence 379, App
36	306	69.2	919	9	US-09-989-735-379	Sequence 379, App
37	306	69.2	919	9	US-09-990-444-379	Sequence 379, App
38	306	69.2	919	9	US-09-991-181-379	Sequence 379, App
39	306	69.2	919	9	US-09-989-730-379	Sequence 379, App
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41	306	69.2	919	9	US-09-993-687-379	Sequence 379, App
42	306	69.2	919	10	US-09-989-734-379	Sequence 379, App
43	306	69.2	919	10	US-09-997-653-379	Sequence 379, App
44	306	69.2	919	10	US-09-993-667-379	Sequence 379, App
45	306	69.2	919	10	US-09-997-428-379	Sequence 379, App

ALIGNMENTS

RESULT 1
US-10-106-698-6388
; Sequence 6388, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:

; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptides
; FILE REFERENCE: PA005P1
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 6388
; LENGTH: 869

; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: MISC_FEATURE

; LOCATION: (14)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-10-106-698-6388

Alignment Scores:
Pred. No.: 1,336-46 Length: 869
Score: 442.00 Matches: 79
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 14 Gaps: 0

US-09-049-696-3 (1-240) x US-10-106-698-6388 (1-869)

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QY 63 CAGATGGGCAACTGTGGAGAGAGGTTGAAGATCCACCTCCTCTGATTTTCATTGCA 122
DB 76 GlnMetGlyAsnCysGlyGluValArgGlyGluValHisLeuThrProAspPheIleAla 95
QY 123 GGAAGAAAGTACCTGCAATATGACCAAGATGAGGCAATTTGTCATGAGTGGGCTCAT 182
DB 96 GlyLysLysLeuAlaGluTyrGlyProGlnGlyArgAlaPheValHisGluTrpAlaHis 115
QY 183 CTACGATGGGAGTATTTCAGCAGTACATAATGATGAGAAATTTCTATTATCCCAAT 239
DB 116 LeuArgTrpGlyValPheAspGluTyrAsnAsnAspGluLysPheTyrLeuSerAsn 134

RESULT 2

US-09-823-356-8

; Sequence 8, Application US/09823356
; Patent No. US20010025098A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Bandman, Olga
; APPLICANT: Lal, Preeti
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Yue, Henry
; APPLICANT: Corley, Neil C.
; APPLICANT: Guegler, Karl J.
; APPLICANT: Kaser, Matthew R.
; APPLICANT: Baughn, Mariah R.
; APPLICANT: Shah, Purvi

; TITLE OF INVENTION: HUMAN MEMBRANE SPANNING PROTEINS

; FILE REFERENCE: PF-0489-1 CON

; CURRENT APPLICATION NUMBER: US/09/823,356

; CURRENT FILING DATE: 2001-03-30

; PRIOR APPLICATION NUMBER: 09/039,307

; PRIOR FILING DATE: 1998 March 13

; NUMBER OF SEQ ID NOS: 34

; SOFTWARE: PERL Program

; SEQ ID NO 8

; LENGTH: 914

; TYPE: PRT

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: misc feature

; OTHER INFORMATION: Incyte ID No. US20010025098A1 1737775

US-09-823-356-8

Alignment Scores:
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Score: 442.00 Matches: 79
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 9 Gaps: 0

US-09-049-696-3 (1-240) x US-09-823-356-8 (1-914)

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QY 63 CAGATGGGCAACTGTGGAGAGAGGTTGAAGATCCACCTCCTGATTTTCATTGCA 122
DB 121 GlnMetGlyAsnCysGlyGluValArgGlyGluValHisLeuThrProAspPheIleAla 140
QY 123 GGAAGAAAGTACCTGCAATATGACCAAGATGAGGCAATTTGTCATGAGTGGGCTCAT 182
DB 141 GlyLysLysLeuAlaGluTyrGlyProGlnGlyArgAlaPheValHisGluTrpAlaHis 160
QY 183 CTACGATGGGAGTATTTCAGCAGTACATAATGATGAGAAATTTCTATTATCCCAAT 239
DB 161 LeuArgTrpGlyValPheAspGluTyrAsnAsnAspGluLysPheTyrLeuSerAsn 179

RESULT 3

US-09-981-353-192

; Sequence 192, Application US/09981353

; Patent No. US20020160382A1

; GENERAL INFORMATION:

; APPLICANT: Lasek, Amy W.

; APPLICANT: Jones, David A.

; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER

; FILE REFERENCE: PA-0038 US

; CURRENT APPLICATION NUMBER: US/09/981,353

; CURRENT FILING DATE: 2001-10-11

; NUMBER OF SEQ ID NOS: 194

; SOFTWARE: PERL Program

; SEQ ID NO 192

; LENGTH: 914

; TYPE: PRT

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: misc feature

; OTHER INFORMATION: Incyte ID No. US20020160382A1 1737775CD1

US-09-981-353-192

Alignment Scores:

Pred. No.: 1,346-46 Length: 914
Score: 442.00 Matches: 79
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 9 Gaps: 0

US-09-049-696-3 (1-240) x US-09-981-353-192 (1-914)

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QY 63 CAGATGGGCAACTGTGGAGAGAGGTTGAAGATCCACCTCCTGATTTTCATTGCA 122
DB 121 GlnMetGlyAsnCysGlyGluValArgGlyGluValHisLeuThrProAspPheIleAla 140
QY 123 GGAAGAAAGTACCTGCAATATGACCAAGATGAGGCAATTTGTCATGAGTGGGCTCAT 182
DB 141 GlyLysLysLeuAlaGluTyrGlyProGlnGlyArgAlaPheValHisGluTrpAlaHis 160
QY 183 CTACGATGGGAGTATTTCAGCAGTACATAATGATGAGAAATTTCTATTATCCCAAT 239
DB 161 LeuArgTrpGlyValPheAspGluTyrAsnAsnAspGluLysPheTyrLeuSerAsn 179

RESULT 4

US-09-833-245-2054

; Sequence 2054, Application US/09833245

; Publication No. US20040010134A1

; GENERAL INFORMATION:

; APPLICANT: Human Genome Sciences, Inc.

; TITLE OF INVENTION: Albumin Fusion Proteins

; FILE REFERENCE: PFS46PCT

; CURRENT APPLICATION NUMBER: US/09/833,245

; CURRENT FILING DATE: 2001-04-12


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; PRIOR APPLICATION NUMBER: 60/229, 358
; PRIOR FILING DATE: 2000-04-12
; PRIOR APPLICATION NUMBER: 60/256, 931
; PRIOR FILING DATE: 2000-12-21
; PRIOR APPLICATION NUMBER: 60/199, 384
; PRIOR FILING DATE: 2000-04-25
; NUMBER OF SEQ ID NOS: 2267
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 2054
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-833-245-2054

Alignment Scores:
Pred. No.: 1,34e-46 Length: 914
Score: 442.00 Matches: 79
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 11 Gaps: 0

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QY 63 CAGATGGGCAACTGTGAGAGAGGCTGAAAGGATCCACTCCTCATCTCTGATTTCAATGCA 122
Db 121 GlnMetGlyAsnCysGlyGluValGluArgIleHisLeuThrProAspPheIleAla 140
QY 123 GGAATAAAGTTAGCTCAATATGACCAAGGATGAGGCTATTTGCCATGAGTGGGCTCAT 182
Db 141 GlyLysLysLeuAlaGluTyrGlyProGlnGlyArgAlaPheValHisGluTrpAlaHis 160
QY 183 CTACGATGGGAGTATTTCAGCAGTACAATAATGATGAGAAATTCCTATTATCCAAT 239
Db 161 LeuArgTrpGlyValPheAspGluTyrAsnAsnAspGluLysPheTyrLeuSerAsn 179

RESULT 5
US-10-270-595-6
; Sequence 6, Application US/10270595
; Publication No. US20030078409A1
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/10/270, 595
; CURRENT FILING DATE: 2002-10-16
; PRIOR APPLICATION NUMBER: US/09/623, 624
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697, 360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697, 419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697, 440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697, 471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697, 471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697, 472
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697, 473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702, 105
; PRIOR FILING DATE: 1996-08-23
; Remaining Prior Application data removed - See File Wrapper or PALM.

; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 6
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-270-595-6

Alignment Scores:
Pred. No.: 1,34e-46 Length: 914
Score: 442.00 Matches: 79
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 14 Gaps: 0

US-09-049-696-3 (1-240) x US-10-270-595-6 (1-914)
QY 3 AATGCTGATGTTCTGGTTCGTAGTCTACTCTCCAGGTAATGATGAACCTACACTGAG 62
Db 101 AsnAlaAspValLeuValAlaGluSerThrProProGlyAsnAspGluProTyrThrGlu 120
QY 63 CAGATGGGCAACTGTGAGAGAGGCTGAAAGGATCCACTCCTCATCTCTGATTTCAATGCA 122
Db 121 GlnMetGlyAsnCysGlyGluValGluArgIleHisLeuThrProAspPheIleAla 140
QY 123 GGAATAAAGTTAGCTCAATATGACCAAGGATGAGGCTATTTGCCATGAGTGGGCTCAT 182
Db 141 GlyLysLysLeuAlaGluTyrGlyProGlnGlyArgAlaPheValHisGluTrpAlaHis 160
QY 183 CTACGATGGGAGTATTTCAGCAGTACAATAATGATGAGAAATTCCTATTATCCAAT 239
Db 161 LeuArgTrpGlyValPheAspGluTyrAsnAsnAspGluLysPheTyrLeuSerAsn 179

RESULT 6
US-10-235-994-26
; Sequence 26, Application US/10235994
; Publication No. US20030101002A1
; GENERAL INFORMATION:
; APPLICANT: Bartha, Gabor
; TITLE OF INVENTION: METHODS FOR ANALYZING GENE EXPRESSION PATTERNS
; FILE REFERENCE: ICYTP012
; CURRENT APPLICATION NUMBER: US/10/235, 994
; CURRENT FILING DATE: 2002-09-04
; PRIOR APPLICATION NUMBER: US/10/003, 608
; PRIOR FILING DATE: 2001-11-01
; PRIOR APPLICATION NUMBER: 60/245, 081
; PRIOR FILING DATE: 2000-11-01
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 26
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Human
US-10-235-994-26

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Score: 442.00 Matches: 79
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 14 Gaps: 0

US-09-049-696-3 (1-240) x US-10-235-994-26 (1-914)
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QY 63 CAGATGGGCAACTGTGAGAGAGGCTGAAAGGATCCACTCCTCATCTCTGATTTCAATGCA 122
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Db 121 GlnMetGlyAsnGlyGlyGlyGlyGluArgGluHisLeuThrProAspPheIleAla 140
QY 123 GGAAGAAAGCTAGCTGAATATGACACACAAAGTAGGGCAATTTGTCCATGAGTGGGCTCAT 182
Db 141 GlyLysLysLeuAlaGluTyrGlyProGlnGlyArgAlaPheValHisGluTrpAlaHis 160
QY 183 CTACGATGGGAGTATTTCACGAGTACAATAATGATGAGAAATTTCTACTTATCCCAAT 239
Db 161 LeuArgTrpGlyValPheAspGluTyrAsnAsnAspGluLysPheTyrLeuSerAsn 179

RESULT 7

US-10-060-255-42
; Sequence 42, Application US/10060255
; Publication No. US20030113840A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 25 Human secreted proteins
; FILE REFERENCE: P2042P1
; CURRENT APPLICATION NUMBER: US/10/060,255
; CURRENT FILING DATE: 2002-02-01
; PRIOR APPLICATION NUMBER: 09/781,417
; PRIOR FILING DATE: 2001-02-13
; PRIOR APPLICATION NUMBER: PCT/US00/22325
; PRIOR FILING DATE: 2000-08-16
; PRIOR APPLICATION NUMBER: 60/149,182
; PRIOR FILING DATE: 1999-08-17
; NUMBER OF SEQ ID NOS: 86
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 42
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-060-255-42

Alignment Scores:
Pred. No.: 1,34e-46 Length: 914
Score: 442.00 Matches: 79
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 14 Gaps: 0

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Db 101 AsnAlaAspValLeuValAlaGluSerThrProGlyAsnAspGluProTyrThrGlu 120
QY 63 CAGATGGGCAACTGTGGAGAGAAGGTGAAGGATCCACCTCACTCTCATTTTCATTGCA 122
Db 121 GlnMetGlyAsnGlyGlyGlyGlyGluArgGluHisLeuThrProAspPheIleAla 140
QY 123 GGAAGAAAGCTAGCTGAATATGACACACAAAGTAGGGCAATTTGTCCATGAGTGGGCTCAT 182
Db 141 GlyLysLysLeuAlaGluTyrGlyProGlnGlyArgAlaPheValHisGluTrpAlaHis 160
QY 183 CTACGATGGGAGTATTTCACGAGTACAATAATGATGAGAAATTTCTACTTATCCCAAT 239
Db 161 LeuArgTrpGlyValPheAspGluTyrAsnAsnAspGluLysPheTyrLeuSerAsn 179

RESULT 8

US-09-764-868-635
; Sequence 635, Application US/09764868
; Patent No. US20020168711A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PT232
; CURRENT APPLICATION NUMBER: US/09/764,868
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 1510
; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 635
; LENGTH: 925
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-764-868-635

Alignment Scores:
Pred. No.: 1,35e-46 Length: 925
Score: 442.00 Matches: 79
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 9 Gaps: 0

US-09-049-696-3 (1-240) x US-09-764-868-635 (1-925)

QY 3 AATGCTGATGTTCTGGTTGCTGAGTCTACTCTCCAGGTAATGATGAACCCCTACACTGAG 62
Db 112 AsnAlaAspValLeuValAlaGluSerThrProGlyAsnAspGluProTyrThrGlu 131
QY 63 CAGATGGGCAACTGTGGAGAGAAGGTGAAGGATCCACCTCACTCTCATTTTCATTGCA 122
Db 132 GlnMetGlyAsnGlyGlyGlyGlyGluArgGluHisLeuThrProAspPheIleAla 151
QY 123 GGAAGAAAGCTAGCTGAATATGACACACAAAGTAGGGCAATTTGTCCATGAGTGGGCTCAT 182
Db 152 GlyLysLysLeuAlaGluTyrGlyProGlnGlyArgAlaPheValHisGluTrpAlaHis 171
QY 183 CTACGATGGGAGTATTTCACGAGTACAATAATGATGAGAAATTTCTACTTATCCCAAT 239
Db 172 LeuArgTrpGlyValPheAspGluTyrAsnAsnAspGluLysPheTyrLeuSerAsn 190

RESULT 9

US-10-106-698-6248
; Sequence 6248, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptides
; FILE REFERENCE: PA005P1
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 6248
; LENGTH: 925
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-106-698-6248

Alignment Scores:
Pred. No.: 1,35e-46 Length: 925
Score: 442.00 Matches: 79
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 14 Gaps: 0

US-09-049-696-3 (1-240) x US-10-106-698-6248 (1-925)

QY 3 AATGCTGATGTTCTGGTTGCTGAGTCTACTCTCCAGGTAATGATGAACCCCTACACTGAG 62
Db 112 AsnAlaAspValLeuValAlaGluSerThrProGlyAsnAspGluProTyrThrGlu 131
QY 63 CAGATGGGCAACTGTGGAGAGAAGGTGAAGGATCCACCTCACTCTCATTTTCATTGCA 122
Db 132 GlnMetGlyAsnGlyGlyGlyGlyGluArgGluHisLeuThrProAspPheIleAla 151

QY 123 GGAAAAAGTTAGCTGAATGATGACCAAGGTTAGGCGATTTCTCCATGAGTGGGCTCAT 182
Db 152 GlyLysLysLeuAlaGluTyrGlyProGlnGlyArgAlaPheValHisGluTrpAlaHis 171
QY 183 CTACGATGGGAGTATTTCAGGAGTACAAATGATGAGAAATTCCTACTATTCAT 239
Db 172 LeuArgTyrGlyValPheAspGluTyrAsnAspGluLysPheTyrLeuSerAsn 190

RESULT 10

US-09-922-217-1066
; Sequence 1066, Application US/09922217
; Patent No. US2002007641A1

GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather
; APPLICANT: Benson, Darin R.
; APPLICANT: Meagher, Madeleine Joy
; APPLICANT: Stolk, John A.
; APPLICANT: Wang, Tongtong
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Smith, Carole Lynn
; APPLICANT: King, Gordon E.
; APPLICANT: Wang, Aijun

; APPLICANT: Clapper, Jonathan D.

; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; FILE REFERENCE: 210121.471C13

; CURRENT APPLICATION NUMBER: US/09/922,217

; CURRENT FILING DATE: 2001-08-03

; NUMBER OF SEQ ID NOS: 1124

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO 1066

; LENGTH: 914

; TYPE: PR

; ORGANISM: Homo sapiens

US-09-922-217-1066

Alignment Scores:
Pred. No.: 3,21e-46 Length: 914
Score: 439.00 Matches: 78
Percent Similarity: 100.00% Conservative: 1
Best Local Similarity: 98.73% Mismatches: 0
Query Match: 99.32% Indels: 0
DB: 9 Gaps: 0

US-09-049-696-3 (1-240) x US-09-922-217-1066 (1-914)

QY 3 AATGCTGATGTTCTGGTTGCTGAGTCTACTCTCCAGGTAATGATGAACCTACACTGAG 62
Db 101 AsnAlaAspValLeuValAlaGluSerThrProGlyAsnAspGluProTyrThrGlu 120
QY 63 CAGATGGGCACTGTGAGAGAGGGTGAAGATCCACCTCACTCTGATTTTCATGCA 122
Db 121 GlnMetGlyAsnCysGlyGluLysGlyGluArgIleHisLeuThrProAspPheIleAla 140
QY 123 GGAAAAAGTTAGCTGAATGATGACCAAGGTTAGGCGATTTCTCCATGAGTGGGCTCAT 182
Db 141 GlyLysLysLeuAlaGluTyrGlyProGlnGlyArgAlaPheValHisGluTrpAlaHis 160
QY 183 CTACGATGGGAGTATTTCAGGAGTACAAATGATGAGAAATTCCTACTATTCAT 239
Db 161 LeuArgTyrGlyValPheAspGluTyrAsnAspGluLysPheTyrLeuSerAsn 179

RESULT 11

US-09-833-263-1066

; Sequence 1066, Application US/09833263

; Patent No. US20020110547A1

GENERAL INFORMATION:

; APPLICANT: Wang, Aijun

; APPLICANT: Clapper, Jonathan D.

; APPLICANT: Stolk, John A.

; APPLICANT: Meagher, Madeleine J.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND
; FILE REFERENCE: 210121.471C12
; CURRENT APPLICATION NUMBER: US/09/833,263
; CURRENT FILING DATE: 2001-04-10
; NUMBER OF SEQ ID NOS: 1093
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 1066
; LENGTH: 914
; TYPE: PR
; ORGANISM: Homo sapiens
US-09-833-263-1066

Alignment Scores:

Pred. No.: 3,21e-46 Length: 914
Score: 439.00 Matches: 78
Percent Similarity: 100.00% Conservative: 1
Best Local Similarity: 98.73% Mismatches: 0
Query Match: 99.32% Indels: 0
DB: 9 Gaps: 0

US-09-049-696-3 (1-240) x US-09-833-263-1066 (1-914)

QY 3 AATGCTGATGTTCTGGTTGCTGAGTCTACTCTCCAGGTAATGATGAACCTACACTGAG 62
Db 101 AsnAlaAspValLeuValAlaGluSerThrProGlyAsnAspGluProTyrThrGlu 120
QY 63 CAGATGGGCACTGTGAGAGAGGGTGAAGATCCACCTCACTCTGATTTTCATGCA 122
Db 121 GlnMetGlyAsnCysGlyGluLysGlyGluArgIleHisLeuThrProAspPheIleAla 140
QY 123 GGAAAAAGTTAGCTGAATGATGACCAAGGTTAGGCGATTTCTCCATGAGTGGGCTCAT 182
Db 141 GlyLysLysLeuAlaGluTyrGlyProGlnGlyArgAlaPheValHisGluTrpAlaHis 160
QY 183 CTACGATGGGAGTATTTCAGGAGTACAAATGATGAGAAATTCCTACTATTCAT 239
Db 161 LeuArgTyrGlyValPheAspGluTyrAsnAspGluLysPheTyrLeuSerAsn 179

RESULT 12

US-10-025-380-1066

; Sequence 1066, Application US/10025380

; Publication No. US20020182191A1

GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather
; APPLICANT: Benson, Darin R.
; APPLICANT: Meagher, Madeleine Joy
; APPLICANT: Stolk, John A.
; APPLICANT: Wang, Tongtong
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Smith, Carole L.
; APPLICANT: King, Gordon E.
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; APPLICANT: Skeiky, Yasir A. W.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Vedvick Thomas S.
; APPLICANT: Carter, Darick
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; FILE REFERENCE: 210121.471C14
; CURRENT APPLICATION NUMBER: US/10/025,380
; CURRENT FILING DATE: 2001-12-19
; NUMBER OF SEQ ID NOS: 1129
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1066
; LENGTH: 914
; TYPE: PR
; ORGANISM: Homo sapiens
US-10-025-380-1066


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; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,472
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; PRIOR FILING DATE: 1996-08-23
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 913
; TYPE: PRT
; ORGANISM: Mus musculus
; US-10-270-595-2

Alignment Scores:
Pred. No.:          9,486-36          Length:          913
Score:             356.00             Matches:         62
Percent Similarity: 88.46%             Conservative:    7
Best Local Similarity: 79.49%           Mismatches:      9
Query Match:       80.54%              Indels:          0
DB:                14                  Gaps:            0

US-09-049-696-3 (1-240) x US-10-270-595-2 (1-913)

Qy   3  AATGCTGATGTTCTGTTCTGCTGAGTCTACTCTCCAGGTAATGATGAACCTACACTGAG 62
Db   101 AenAlaAspValLeuValSerThrThrSerProLeuGlyAsnAspGluProTyrThrGlu 120
Qy   63  CAGATGGGCAACTGTGGAGAGAGGTTGAAAGGATCCACCTCACTCTGATTTCATTGCA 122
Db   121 HisIleGlyAlaCysGlyGluLysGlyIleArgIleHisLeuThrProAspPheLeuAla 140
Qy   123 GGAATAAGTTAGCTGAATATGACCAACACAGGATGGGCAATTTGTCCATGAGTGGGCTCAT 182
Db   141 GlyLysLysLeuThrGlnTyrGlyProGlnAspArgThrPheValHisGluTrpAlaHis 160
Qy   183 CTACGATGGGAGTATTTGACGAGTACATATATGATGAGAAATTTCTACTATCC 236
Db   161 PheArgTrpGlyValPheAsnGluTyrAsnAsnAspGluLysPheTyrLeuSer 178
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GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: April 24, 2004, 00:33:00 ; Search time 22.0609 Seconds
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Title: US-09-049-696-3

Perfect score: 240

Sequence: 1 AAAATGCGATGTTCTGTTT.....GAAATCTACTTATCCAAATG 240

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Gapop 10_0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA:*

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5: /cgn2_6/ptodata/2/ina/PCTUS COMB.seq:*

6: /cgn2_6/ptodata/2/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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2	238.4	99.3	3007	4	US-09-193-562D-27
3	148.8	62.0	2931	4	US-09-623-624-1
4	129.2	53.8	3043	4	US-09-049-698-16
5	129.2	53.8	3181	4	US-09-049-698-18
6	109.8	45.7	401	3	US-09-221-298-34
7	109.8	45.7	401	4	US-09-401-064-34
8	99.6	41.5	3418	4	US-09-193-562D-29
9	94.8	39.5	3317	4	US-09-193-562D-1
10	93	38.8	3022	4	US-09-193-562D-33
11	77.6	32.3	2773	4	US-09-643-597-358
12	77.6	32.3	2784	4	US-09-643-597-168
13	77.6	32.3	2784	4	US-09-480-884A-168
14	77.6	32.3	2784	4	US-09-542-615A-168
15	77.6	32.3	2784	4	US-09-606-421B-168
16	77.6	32.3	2970	4	US-09-193-562D-31
17	77.6	32.3	3156	4	US-09-919-172-86
18	77.6	32.3	3190	4	US-09-623-624-3
19	77.6	32.3	3362	4	US-09-643-597-167
20	77.6	32.3	3362	4	US-09-480-884A-167
21	77.6	32.3	3362	4	US-09-542-615A-167
22	77.6	32.3	3362	4	US-09-606-421B-167
23	77.6	32.3	3951	4	US-09-643-597-160
24	77.6	32.3	3951	4	US-09-480-884A-160
25	77.6	32.3	3951	4	US-09-542-615A-160
26	77.6	32.3	3951	4	US-09-606-421B-160
27	77.6	32.3	3951	4	US-09-221-107-160

28	77.6	32.3	8031	4	US-09-643-597-254	Sequence 254, App
29	77.6	32.3	8031	4	US-09-480-884A-254	Sequence 254, App
30	77.6	32.3	8031	4	US-09-542-615A-254	Sequence 254, App
31	77.6	32.3	8031	4	US-09-606-421B-254	Sequence 254, App
32	36	15.0	1664976	4	US-08-916-421B-1	Sequence 1, Appli
33	34	14.2	5319	1	US-08-169-927-1	Sequence 1, Appli
34	32.4	13.5	1423	3	US-08-916-576B-3	Sequence 3, Appli
35	31.6	13.2	482	4	US-09-621-976-99	Sequence 99, Appl
36	31.2	13.0	148567	4	US-09-801-876B-3	Sequence 3, Appli
37	31.2	13.0	148567	4	US-10-254-869-3	Sequence 3, Appli
38	30.6	12.8	4403765	3	US-09-103-840A-2	Sequence 2, Appli
39	30.6	12.8	441529	3	US-09-103-840A-1	Sequence 1, Appli
40	30.4	12.7	1371	4	US-09-328-352-2820	Sequence 2820, Ap
C 41	30.2	12.6	1001	4	US-09-671-317-11	Sequence 11, Appl
C 42	30.2	12.6	1001	4	US-09-671-317-11	Sequence 437, App
C 43	30.2	12.6	1664976	4	US-08-916-421B-1	Sequence 1, Appli
44	30	12.5	302	3	US-08-916-576B-19	Sequence 19, Appl
45	30	12.5	396	2	US-08-465-380-12	Sequence 12, Appl

ALIGNMENTS

RESULT 1

US-09-623-624-5

; Sequence 5, Application US/09623624

; Patent No. 6576434

; GENERAL INFORMATION:

; APPLICANT: Magainin Pharmaceuticals, Inc.

; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating

; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related

; FILE REFERENCE: 36870-5073-WO

; CURRENT APPLICATION NUMBER: US/09/623,624

; CURRENT FILING DATE: 2000-09-06

; PRIOR APPLICATION NUMBER: PCT/US99/04703

; PRIOR FILING DATE: 1999-03-03

; PRIOR APPLICATION NUMBER: US 08/697,360

; PRIOR FILING DATE: 1996-08-23

; PRIOR APPLICATION NUMBER: US 08/697,419

; PRIOR FILING DATE: 1996-08-23

; PRIOR APPLICATION NUMBER: US 08/697,440

; PRIOR FILING DATE: 1996-08-23

; PRIOR APPLICATION NUMBER: US 08/697,471

; PRIOR FILING DATE: 1996-08-23

; PRIOR APPLICATION NUMBER: US 08/697,471

; PRIOR FILING DATE: 1996-08-23

; PRIOR APPLICATION NUMBER: US 08/697,472

; PRIOR FILING DATE: 1996-08-23

; PRIOR APPLICATION NUMBER: US 08/697,473

; PRIOR FILING DATE: 1996-08-23

; PRIOR APPLICATION NUMBER: US 08/702,105

; PRIOR FILING DATE: 1996-08-23

; PRIOR APPLICATION NUMBER: US 08/702,110

; PRIOR FILING DATE: 1996-08-23

; PRIOR APPLICATION NUMBER: US 08/702,168

; PRIOR FILING DATE: 1996-08-23

; PRIOR APPLICATION NUMBER: US 08/980,872

; PRIOR FILING DATE: 1997-12-01

; NUMBER OF SEQ ID NOS: 18

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 5

; LENGTH: 2745

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: CDS

; LOCATION: (1)..(2742)

; US-09-623-624-5

Query Match 100.0%; Score 240; DB 4; Length 2745;

Best Local Similarity 100.0%; Pred. No. 2.1e-73;

Matches 240; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	AAATGCTGANGTTCTGTTGCTGAGTCTACTCTCCAGGTAATGATGAACCCCTACACTG	60
Db	299	AAATGCTGATGTTCTGTTGCTGAGTCTACTCTCCAGGTAATGATGAACCCCTACACTG	358
QY	61	AGCAGATGGGCAATGTGTGGAGAGAAGGTGAAGAGATCCACCTCACTCTCTGATTTTCATTG	120
Db	359	AGCAGATGGGCAACTGTGGAGAGAAGGTGAAGAGATCCACCTCACTCTCTGATTTTCATTG	418
QY	121	CAGGAAAAAAGTTAGTCTGAATATGACACAAAGGTAGGGCAATTGTCCATGAGTGGGCTC	180
Db	419	CAGGAAAAAAGTTAGTCTGAATATGAGACCACAAAGGTAGGGCAATTGTCCATGAGTGGGCTC	478
QY	181	ATCTACGATGGGGAGTATTGACGAGTACAATAATGATGAGAAATTCCTATTCAAAATG	240
Db	479	ATCTACGATGGGGAGTATTGACGAGTACAATAATGATGAGAAATTCCTATTCAAAATG	538

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RESULT 2
US-09-193-562D-27
; Sequence 27, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedict U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; CURRENT FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 27
; LENGTH: 3007
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-193-562D-27

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RESULT 3
US-09-623-624-1
; Sequence 1, Application US/09623624
; Patent No. 6576434
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Acropic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/09/623,624
; CURRENT FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03

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, PRIOR APPLICATION NUMBER: US 08/697,360
, PRIOR FILING DATE: 1996-08-23
, PRIOR APPLICATION NUMBER: US 08/697,419
, PRIOR FILING DATE: 1996-08-23
, PRIOR APPLICATION NUMBER: US 08/697,440
, PRIOR FILING DATE: 1996-08-23
, PRIOR APPLICATION NUMBER: US 08/697,471
, PRIOR FILING DATE: 1996-08-23
, PRIOR APPLICATION NUMBER: US 08/697,471
, PRIOR FILING DATE: 1996-08-23
, PRIOR APPLICATION NUMBER: US 08/697,472
, PRIOR FILING DATE: 1996-08-23
, PRIOR APPLICATION NUMBER: US 08/697,473
, PRIOR FILING DATE: 1996-08-23
, PRIOR APPLICATION NUMBER: US 08/702,105
, PRIOR FILING DATE: 1996-08-23
, PRIOR APPLICATION NUMBER: US 08/702,110
, PRIOR FILING DATE: 1996-08-23
, PRIOR APPLICATION NUMBER: US 08/702,168
, PRIOR FILING DATE: 1996-08-23
, PRIOR APPLICATION NUMBER: US 08/980,872
, PRIOR FILING DATE: 1997-12-01
, NUMBER OF SEQ ID NOS: 18
, SOFTWARE: PatentIn Ver. 2.0
, SEQ ID NO: 1
, LENGTH: 2931
, TYPE: DNA
, ORGANISM: Mus musculus
, FEATURE:
, NAME/KEY: CDS
, LOCATION: (8)..(2746)
US-09-623-624-1

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RESULT 4
US-09-049-698-16
; Sequence 16, Application US/09049698
; Patent No. 6368792
; GENERAL INFORMATION:
; APPLICANT: BILLING-MEDEL, PATRICIA A.
; APPLICANT: COHEN, MAURICE
; APPLICANT: COLPITTS, TRACEY L.
; APPLICANT: FRIEDMAN, PAULA N.
; APPLICANT: HAYDEN, MARK
; APPLICANT: KLASS, MICHAEL R.
; APPLICANT: ROBERTS-RAPP, LISA
; APPLICANT: RUSSELL, JOHN C.
; APPLICANT: STROUPE, STEPHEN D.
; TITLE OF INVENTION: REAGENTS AND METHODS FOR THE
; TITLE OF INVENTION: USEFUL FOR DETECTING DISEASES OF THE GASTROINTESTINAL
; TITLE OF INVENTION: TRACT
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:

ADDRESSEE: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/049,698
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/828,856
FILING DATE: 31-MAR-1997
ATTORNEY/AGENT INFORMATION:
NAME: Becker, Cheryl L.
REGISTRATION NUMBER: 35,441
REFERENCE/DOCKET NUMBER: 6068.US.P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/935-1729
TELEFAX: 847/938-2623
TELEX:
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 3043 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-049-698-16

Query Match 53.8%; Score 129.2; DB 4; Length 3043;
Best Local Similarity 72.6%; Pred. No. 7.4e-35;
Matches 167; Conservative 0; Mismatches 63; Indels 0; Gaps 0;

QY 1 AAAATGCTGATGTTCTGTGTTGCTGAGTCTACTCTCCAGGTAATGATGAACCCCTACACTG 60
|||
Db 309 AACATGCTGATGTTATAGTTGACACCTTACACTCCAGGTAGAGATGAACCATACCA 368
|||
QY 61 AGCAGATGGGCAACTGTGGAGAGAGGGTGAAGGATCCACTCTCTGATTTCAATG 120
|||
Db 369 AGCAGTTACAGAAATGTGGAGAGAAAGGCGAATACATTCATTCACCCCTGACCTTCTAC 428
|||
QY 121 CAGGAAAAAGTTAGCTGTAATGAGACCAAGGTAGGGCATTTGCCATGAGTGGGCTC 180
|||
Db 429 TTGAAAAAAAACAAATGAATATGGACCCACAGGCAAACTGTTTGTCCATGAGTGGGCTC 488
|||
QY 181 ATCTACGATGGGAGTATTGACGAGTACAATAATGATGAGAAATTTCTAC 230
|||
Db 489 ACCTCGGTGGGAGTGTGATGAGTACATGAGATCAGCCTTCTAC 538
|||

RESULT 5
US-09-049-698-18
; Sequence 18, Application US/09049698
; Patent No. 6368792
; GENERAL INFORMATION:
; APPLICANT: BILLING-MEDEL, PATRICIA A.
; APPLICANT: COHEN, MAURICE
; APPLICANT: COLPITTS, TRACEY L.
; APPLICANT: FRIEDMAN, PAULA N.
; APPLICANT: HAYDEN, MARK
; APPLICANT: KLASS, MICHAEL R.
; APPLICANT: ROBERTS-RAPP, LISA
; APPLICANT: RUSSELL, JOHN C.
; APPLICANT: STROUPE, STEPHEN D.
; TITLE OF INVENTION: REAGENTS AND METHODS FOR THE
; TITLE OF INVENTION: USEFUL FOR DETECTING DISEASES OF THE GASTROINTESTINAL
; TRACT
; NUMBER OF SEQUENCES: 51

CORRESPONDENCE ADDRESS:
ADDRESSEE: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/049,698
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/828,856
FILING DATE: 31-MAR-1997
ATTORNEY/AGENT INFORMATION:
NAME: Becker, Cheryl L.
REGISTRATION NUMBER: 35,441
REFERENCE/DOCKET NUMBER: 6068.US.P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/935-1729
TELEFAX: 847/938-2623
TELEX:
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 3181 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-049-698-18

Query Match 53.8%; Score 129.2; DB 4; Length 3181;
Best Local Similarity 72.6%; Pred. No. 7.5e-35;
Matches 167; Conservative 0; Mismatches 63; Indels 0; Gaps 0;

QY 1 AAAATGCTGATGTTCTGTGTTGCTGAGTCTACTCTCCAGGTAATGATGAACCCCTACACTG 60
|||
Db 320 AACATGCTGATGTTATAGTTGACACCTTACACTCCAGGTAGAGATGAACCATACCA 379
|||
QY 61 AGCAGATGGGCAACTGTGGAGAGAGGGTGAAGGATCCACTCTCTGATTTCAATG 120
|||
Db 380 AGCAGTTACAGAAATGTGGAGAGAAAGGCGAATACATTCATTCACCCCTGACCTTCTAC 439
|||
QY 121 CAGGAAAAAGTTAGCTGTAATGAGACCAAGGTAGGGCATTTGCCATGAGTGGGCTC 180
|||
Db 440 TTGAAAAAAAACAAATGAATATGGACCCACAGGCAAACTGTTTGTCCATGAGTGGGCTC 499
|||
QY 181 ATCTACGATGGGAGTATTGACGAGTACAATAATGATGAGAAATTTCTAC 230
|||
Db 500 ACCTCGGTGGGAGTGTGATGAGTACATGAGATCAGCCTTCTAC 549
|||

RESULT 6
US-09-221-298-34
; Sequence 34, Application US/09221298
; Patent No. 6284241
; GENERAL INFORMATION:
; APPLICANT: XU, JIANGCHUN
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY AND DIAGNOSIS
; TITLE OF INVENTION: OF COLON CANCER
; FILE REFERENCE: 210121.471
; CURRENT APPLICATION NUMBER: US/09/221,298
; CURRENT FILING DATE: 1998-12-23
; NUMBER OF SEQ ID NOS: 112
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 34
; LENGTH: 401
; TYPE: DNA
; ORGANISM: Human

US-09-221-298-34

Query Match 45.7%; Score 109.8; DB 3; Length 401;
Best Local Similarity 92.9%; Pred. No. 1.5e-28;
Matches 170; Conservative 0; Mismatches 7; Indels 6; Gaps 5;

QY 1 AAAATGCTGATGTTCTGTTGTC-TGAGTCTACTCTCCAGGTAATGATGAACCCCTACACT 59
DB 215 AAAATGCTGATGTTCTGTTGTC-TGAGTCTACTCTCCAGGTAATGATGAACCCCTACACT 274

QY 60 GAGCAGAT-GGGCACTGTGGAGAGGG--TGAAGGATCCACTCTCTGATTC 116
DB 275 GAGCAGATGGGCAACTGTGGAGAGAGGGTGAAGGATCCCACTCTCTGATTC 334

QY 117 ATTGAGGAAAAGTTAGC-TGAATATGGACCAAGGT-AGGGCATTTGCCATGAT 174
DB 335 ATTGAGGAAAAGTTAGCTTGAATATGGACCAAGGTAAGGGCATTTGCCATGAT 394

QY 175 GGG 177
DB 395 GGG 397

RESULT 7

US-09-401-064-34
; Sequence 34, Application US/09401064
; Patent No. 6623923

; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun

; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather

; APPLICANT: Benson, Darin R.
; APPLICANT: Meagher, Madeline Joy

; APPLICANT: Stolk, John A.
; APPLICANT: Wang, Tongtong

; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF COLON CANCER AND METHODS FOR THEIR USE

; FILE REFERENCE: 210121.471C2
; CURRENT APPLICATION NUMBER: US/09/401,064

; CURRENT FILING DATE: 1999-09-22
; NUMBER OF SEQ ID NOS: 371

; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 34

; LENGTH: 401
; TYPE: DNA

; ORGANISM: Homo sapien
US-09-401-064-34

Query Match 45.7%; Score 109.8; DB 4; Length 401;
Best Local Similarity 92.9%; Pred. No. 1.5e-28;
Matches 170; Conservative 0; Mismatches 7; Indels 6; Gaps 5;

QY 1 AAAATGCTGATGTTCTGTTGTC-TGAGTCTACTCTCCAGGTAATGATGAACCCCTACACT 59
DB 215 AAAATGCTGATGTTCTGTTGTC-TGAGTCTACTCTCCAGGTAATGATGAACCCCTACACT 274

QY 60 GAGCAGAT-GGGCACTGTGGAGAGGG--TGAAGGATCCACTCTCTGATTC 116
DB 275 GAGCAGATGGGCAACTGTGGAGAGAGGGTGAAGGATCCCACTCTCTGATTC 334

QY 117 ATTGAGGAAAAGTTAGC-TGAATATGGACCAAGGT-AGGGCATTTGCCATGAT 174
DB 335 ATTGAGGAAAAGTTAGCTTGAATATGGACCAAGGTAAGGGCATTTGCCATGAT 394

QY 175 GGG 177
DB 395 GGG 397

RESULT 8

US-09-193-562D-29

; Sequence 29, Application US/09193562D
; Patent No. 6309857

; GENERAL INFORMATION:

; APPLICANT: Pauli, Benedicht U.

; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules

; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D

; CURRENT FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922

; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47

; SEQ ID NO 29
; LENGTH: 3418

; TYPE: DNA
; ORGANISM: Homo sapiens

US-09-193-562D-29

Query Match 41.5%; Score 99.6; DB 4; Length 3418;
Best Local Similarity 64.1%; Pred. No. 1.5e-24;
Matches 150; Conservative 0; Mismatches 84; Indels 0; Gaps 0;

QY 4 ATGCTGATGTTCTGTTGTCCTGAGTCTACTCTCCAGGTAATGATGAACCCCTACACTGAGC 63
DB 317 AGGCAGATGTCATGTTGCTGATCTTTACCTGAAATACGGAGATGATCCCTATACACTTC 376

QY 64 AGATGGCAACTGTGGAGAGAGGGTGAAGGATCCACTCTCTGATTTTATTGCGAG 123
DB 377 AATATGGACAATGTGGAGATAAAGGACAATATATACATTTTACTCCAACTTCTTTGTTGA 436

QY 124 GAAAAAGTTAGCTGAATATGGACCAAGGTAAGGATTTTCCATGATGGGCTCATC 183
DB 437 CTAATAACTTGGCTACCTATGGCCCTCGAGGTAAAGTATTGTCCATGGGTGGGCCATC 496

QY 184 TACGATGGGGAGTATTTGACGAGTACATAATGATGAGAAATTTCTACTATCCA 237
DB 497 TCCGGTGGGAGTATTTGATGAGTAAATGTGGACCACTTCTATATTCCA 550

RESULT 9

US-09-193-562D-1

; Sequence 1, Application US/09193562D
; Patent No. 6309857

; GENERAL INFORMATION:

; APPLICANT: Pauli, Benedicht U.

; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules

; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D

; CURRENT FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922

; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47

; SEQ ID NO 1
; LENGTH: 3317

; TYPE: DNA
; ORGANISM: Unknown

; FEATURE:

; OTHER INFORMATION: sequence encoding Lu-ECAM-1 and Lu-ECAM-1 associated
; OTHER INFORMATION: protein from bovine endothelial cells

US-09-193-562D-1

Query Match 39.5%; Score 94.8; DB 4; Length 3317;
Best Local Similarity 62.8%; Pred. No. 7e-23;
Matches 147; Conservative 0; Mismatches 87; Indels 0; Gaps 0;

QY 4 ATGCTGATGTTCTGTTGTCCTGAGTCTACTCTCCAGGTAATGATGAACCCCTACACTGAGC 63
DB 361 AGGCAGATGTCATGTTGCTAATCCCTATCTAAAATATGGAGATGATCCCTATACACTTC 420

QY 64 AGATGGCAACTGTGGAGAGAGGGTGAAGGATCCACTCTCTGATTTTATTGCGAG 123
DB 421 AATATGGAAAGGTGTGGAGAAAAGGAAATATATACATTTTACTCCAACTTCTTTGTTGA 480

QY 124 GAAAAAGTTAGCTGAATATGGACCAAGGTAGGGCATTTGTCCATGATGGGCTCATC 183

Db 481 CTAATAATTTCCACATCTATGGTCCCGAGGAGAGATATTTGTCATGATGGGCGCCCAATC 540
Qy 184 TACGATGGGAGTATTTGACGAGTACAATAATGATGAGAAATTTCTACTTATCCA 237
Db 541 TCCGCTGGGGAATATTTGATGATGATTAATGTGACGACGACCAATCTATATTCCA 594

RESULT 10

US-09-193-562D-33
; Sequence 33, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; FILE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; CURRENT FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 33
; LENGTH: 3022
; TYPE: DNA
; ORGANISM: Mus musculus
US-09-193-562D-33

Query Match 38.8%; Score 93; DB 4; Length 3022;
Best Local Similarity 62.0%; Pred. No. 2.8e-22;
Matches 147; Conservative 0; Mismatches 90; Indels 0; Gaps 0;
Qy 1 AAAATGCTGATGTTCTGTTGCTGAGTCTACTCTCCAGGTAATGATGAACCTTACACTG 60
Db 313 ACAAGGACAGCTCATAGTTGGGATCCTCAGTCAACATGAGAGACCCCTACACCC 372
Qy 61 AGCAGATGGCAACTGTGTGGAGAGAGGGTGAAGAGATCCACTCTCTGATTTTCATTG 120
Db 373 TTCAGTATGGACAGTGTGGGACAGAGGACAGTACATACACTTCACTCCAAACTTCTAC 432
Qy 121 CAGGAAAAAGTTAGTGAATATGACCAACAGGATAGGCGATTTGTCATGATGGGCTC 180
Db 433 TCACGTGATAACTTGGCTATCTATGGACCCGAGGACAGTCTTTGTCATGATGGGCCC 492
Qy 181 ATCTACGATGGGAGTATTTGACGAGTACAATAATGATGAGAAATTTCTACTTATCCA 237
Db 493 ATCTCGGTGGGAGTATTTGATGATGATTAACGTGACCGGTCACTTTACATTTCTTA 549

RESULT 11

US-09-643-597-358
; Sequence 358, Application US/09643597
; Patent No. 6426072
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy
; APPLICANT: Fanger, Gary R.
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Henderson, Robert A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.455C11
; CURRENT APPLICATION NUMBER: US/09/643,597
; CURRENT FILING DATE: 2000-08-21
; NUMBER OF SEQ ID NOS: 369
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 358

; LENGTH: 2773
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-643-597-358

Query Match 32.3%; Score 77.6; DB 4; Length 2773;
Best Local Similarity 61.0%; Pred. No. 6.1e-17;
Matches 144; Conservative 0; Mismatches 89; Indels 3; Gaps 1;
Qy 1 AAAATGCTGATGTTCTGTTGCTGAGTCTACTCTCCAGGTAATGATGAACCTTACACTG 60
Db 254 AAAAGGCAATGTCATAGTCACTGCTGTATGGGCACATGGAGATGATCCATACACC 313
Qy 61 AGCAGATGGCAACTGTGTGGAGAGAGGGTGAAGAGATCCACTCTCTGATTTTCATTG 120
Db 314 TACAATACAGAGGGTGTGGAAAAAGAGGAAAAATACATTCACTTCCACACCTAAATTCCTAC 373
Qy 121 CAGGAAAAAGTT---AGCTGAATATGACCAACAGGATAGGCGATTTGTCATGATGGG 177
Db 374 TGAATGATAACTTAACAGCTGGCTACGGATCAGAGGCGGAGTGTGTTGTCATGAATGGG 433
Qy 178 CTCATCTACGATGGGAGTATTTGACGAGTACAATAATGATGAGAAATTTCTACTTA 233
Db 434 CCCACCTCGTTGGGTGTGTTGATGATGATTAACAACCTTTCTACATA 489

RESULT 12

US-09-643-597-168
; Sequence 168, Application US/09643597
; Patent No. 6426072
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy
; APPLICANT: Fanger, Gary R.
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Henderson, Robert A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.455C11
; CURRENT APPLICATION NUMBER: US/09/643,597
; CURRENT FILING DATE: 2000-08-21
; NUMBER OF SEQ ID NOS: 369
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 168
; LENGTH: 2784
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-643-597-168

Query Match 32.3%; Score 77.6; DB 4; Length 2784;
Best Local Similarity 61.0%; Pred. No. 6.1e-17;
Matches 144; Conservative 0; Mismatches 89; Indels 3; Gaps 1;
Qy 1 AAAATGCTGATGTTCTGTTGCTGAGTCTACTCTCCAGGTAATGATGAACCTTACACTG 60
Db 396 AAAAGGCAATGTCATAGTCACTGCTGTATGGGCACATGGAGATGATCCATACACC 455
Qy 61 AGCAGATGGCAACTGTGTGGAGAGAGGGTGAAGAGATCCACTCTCTGATTTTCATTG 120
Db 456 TACAATACAGAGGGTGTGGAAAAAGAGGAAAAATACATTCACTTCCACCTAAATTCCTAC 515
Qy 121 CAGGAAAAAGTT---AGCTGAATATGACCAACAGGATAGGCGATTTGTCATGATGGG 177
Db 516 TGAATGATAACTTAACAGCTGGCTACGGATCAGAGGCGGAGTGTGTTGTCATGAATGGG 575
Qy 178 CTCATCTACGATGGGAGTATTTGACGAGTACAATAATGATGAGAAATTTCTACTTA 233

Db 576 CCCACCTCCGTTGGGGTGTGTTTCGATGAGTATACAAATGACAAACCTTTCTTACATA 631

RESULT 13

US-09-480-884A-168

; Sequence 168, Application US/09480884A

; Patent No. 6482597

; GENERAL INFORMATION:

; APPLICANT: Wang, Tonglong

; APPLICANT: Fan, Liqun

; APPLICANT: Hosken, Nancy A.

; APPLICANT: Kalos, Michael D.

; APPLICANT: Fanger, Gary R.

; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY

; FILE REFERENCE: 210121.455C6

; CURRENT APPLICATION NUMBER: US/09/480,884A

; CURRENT FILING DATE: 2001-08-27

; NUMBER OF SEQ ID NOS: 330

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 168

; LENGTH: 2784

; TYPE: DNA

; ORGANISM: Homo sapien

US-09-480-884A-168

Query Match

Best Local Similarity 32.3%; Score 77.6; DB 4; Length 2784;

Matches 144; Conservative 0; Mismatches 89; Indels 3; Gaps 1;

QY 1 AAAATGCTGATGTTCTGTTGCTGAGTCTACTCTCCAGGTAATGATGAAACCTTACACTG 60

DB 396 AAAAGGCAATGTCATAGTACTGCTGATGGGACATGGAGATGATCATACACCC 455

QY 61 AGCAGATGGCAACTGTGGAGAGAGGTGAAGGATCCACTCTCTGATTTTCATTG 120

DB 456 TACAATACAGAGGGTGTGAAAAGAGGGAATAATCATTTTACACCTAATTTTCTTAC 515

QY 121 CAGGAAAAAGTT---AGCTGATATGACCAACAGGTAGGCGATTGTCCATGAGTGGG 177

DB 516 TGAATGATAACTTAACAGCTGGCTACGGATCAGGAGCGGAGTGTGTGTCATGAATGGG 575

QY 178 CTCATCTACGATGGGGAGTATTGACGAGTACAATAATGATGAGAAATTTCTACTTA 233

DB 576 CCCACCTCCGTTGGGGTGTGTTTCGATGAGTATACAAATGACAAACCTTTCTTACATA 631

RESULT 14

US-09-542-615A-168

; Sequence 168, Application US/09542615A

; Patent No. 6518256

; GENERAL INFORMATION:

; APPLICANT: Wang, Tonglong

; APPLICANT: Fan, Liqun

; APPLICANT: Kalos, Michael D.

; APPLICANT: Bangur, Chaitanya S.

; APPLICANT: Hosken, Nancy A.

; APPLICANT: Fanger, Gary R.

; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY

; FILE REFERENCE: 210121.455C8

; CURRENT APPLICATION NUMBER: US/09/542,615A

; CURRENT FILING DATE: 2000-04-14

; NUMBER OF SEQ ID NOS: 350

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 168

; LENGTH: 2784

; TYPE: DNA

; ORGANISM: Homo sapien

US-09-542-615A-168

Query Match

Best Local Similarity 32.3%; Score 77.6; DB 4; Length 2784;

Matches 144; Conservative 0; Mismatches 89; Indels 3; Gaps 1;

Matches 144; Conservative 0; Mismatches 89; Indels 3; Gaps 1;

QY 1 AAAATGCTGATGTTCTGTTGCTGAGTCTACTCTCCAGGTAATGATGAAACCTTACACTG 60

DB 396 AAAAGGCAATGTCATAGTACTGCTGATGGGACATGGAGATGATCATACACCC 455

QY 61 AGCAGATGGCAACTGTGGAGAGAGGTGAAGGATCCACTCTCTGATTTTCATTG 120

DB 456 TACAATACAGAGGGTGTGAAAAGAGGGAATAATCATTTTACACCTAATTTTCTTAC 515

QY 121 CAGGAAAAAGTT---AGCTGATATGACCAACAGGTAGGCGATTGTCCATGAGTGGG 177

DB 516 TGAATGATAACTTAACAGCTGGCTACGGATCAGGAGCGGAGTGTGTGTCATGAATGGG 575

QY 178 CTCATCTACGATGGGGAGTATTGACGAGTACAATAATGATGAGAAATTTCTACTTA 233

DB 576 CCCACCTCCGTTGGGGTGTGTTTCGATGAGTATACAAATGACAAACCTTTCTTACATA 631

RESULT 15

US-09-606-421B-168

; Sequence 168, Application US/09606421B

; Patent No. 6531315

; GENERAL INFORMATION:

; APPLICANT: Wang, Tonglong

; APPLICANT: Fan, Liqun

; APPLICANT: Kalos, Michael D.

; APPLICANT: Bangur, Chaitanya S.

; APPLICANT: Hosken, Nancy

; APPLICANT: Fanger, Gary R.

; APPLICANT: Li, Samuel X.

; APPLICANT: Wang, Aijun

; APPLICANT: Skeiky, Yasir A.W.

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

; FILE REFERENCE: 210121.455C9

; CURRENT APPLICATION NUMBER: US/09/606,421B

; CURRENT FILING DATE: 2000-06-28

; NUMBER OF SEQ ID NOS: 358

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 168

; LENGTH: 2784

; TYPE: DNA

; ORGANISM: Homo sapien

US-09-606-421B-168

Query Match 32.3%; Score 77.6; DB 4; Length 2784;

Best Local Similarity 61.0%; Pred. No. 6.1e-17;

Matches 144; Conservative 0; Mismatches 89; Indels 3; Gaps 1;

QY 1 AAAATGCTGATGTTCTGTTGCTGAGTCTACTCTCCAGGTAATGATGAAACCTTACACTG 60

DB 396 AAAAGGCAATGTCATAGTACTGCTGATGGGACATGGAGATGATCATACACCC 455

QY 61 AGCAGATGGCAACTGTGGAGAGAGGTGAAGGATCCACTCTCTGATTTTCATTG 120

DB 456 TACAATACAGAGGGTGTGAAAAGAGGGAATAATCATTTTACACCTAATTTTCTTAC 515

QY 121 CAGGAAAAAGTT---AGCTGATATGACCAACAGGTAGGCGATTGTCCATGAGTGGG 177

DB 516 TGAATGATAACTTAACAGCTGGCTACGGATCAGGAGCGGAGTGTGTGTCATGAATGGG 575

QY 178 CTCATCTACGATGGGGAGTATTGACGAGTACAATAATGATGAGAAATTTCTACTTA 233

DB 576 CCCACCTCCGTTGGGGTGTGTTTCGATGAGTATACAAATGACAAACCTTTCTTACATA 631

Search completed: April 24, 2004, 05:01:00

Job time : 26.0609 secs

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OM nucleic - protein search, using frame_plus_n2p model

Run on: April 21, 2004, 16:13:29 ; Search time 12.2471 Seconds
(without alignments)
2023.381 Million cell updates/sec

Title: US-09-049-696-3

Perfect score: 442

Sequence: 1 AAAATGCTGATGTTCTGGTT.....GAAATCTTACTTATCCAATG 240

Scoring table: BLOSUM62

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Ygapop 10.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 778928

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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-LOOPEXT=0 -UNITS=bits -START=1 -END=1 -MATRIX=blosum62 -TRANS=human40.cdi
-LIST=45 -DOCALLIGN=200 -THR SCORE=pct -THR MAX=100 -THR MIN=0 -ALIGN=15
-MODE=LOCAL -OUTFMT=ptc -NORM=ext -HEAPSIZE=500 -MINLEN=0 -MAXLEN=2000000000
-USER=US09049696 @CGN 1.1 321 @runat_21042004_154838_21255 -NCPU=6 -ICPU=3
-NO WMAP -LARGEQUERY -NEG SCORES=0 -WAIT -DSPBLOCK=100 -LONGLOG
-DEV TIMEOUT=120 -WARN TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5 -FGAPOP=6
-FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DSELEXT=7

Database : Issued Patents AA:*
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6: /cgn2_6/ptodata/2/iaa/backfiles1.pcp:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	442	100.0	914	4	US-09-623-624-6
2	439	99.3	914	4	US-09-193-562D-28
3	356	80.5	913	4	US-09-623-624-2
4	288	67.4	917	4	US-09-049-698-41
5	265	60.0	903	4	US-09-193-562D-46
6	265	60.0	903	4	US-09-623-624-18
7	265	60.0	1000	4	US-09-193-562D-30
8	255	57.7	342	4	US-09-193-562D-13
9	255	57.7	795	4	US-09-193-562D-11
10	255	57.7	821	4	US-09-193-562D-12
11	255	57.7	902	4	US-09-193-562D-34
12	255	57.7	905	4	US-09-193-562D-2

13	239.5	54.2	592	4	US-09-643-597-169	Sequence 169, App
14	239.5	54.2	592	4	US-09-480-884A-169	Sequence 169, App
15	239.5	54.2	592	4	US-09-542-615A-169	Sequence 169, App
16	239.5	54.2	592	4	US-09-606-421B-169	Sequence 169, App
17	239.5	54.2	791	4	US-09-643-597-170	Sequence 170, App
18	239.5	54.2	791	4	US-09-480-884A-170	Sequence 170, App
19	239.5	54.2	791	4	US-09-542-615A-170	Sequence 170, App
20	239.5	54.2	791	4	US-09-606-421B-170	Sequence 170, App
21	239.5	54.2	920	4	US-09-643-597-357	Sequence 357, App
22	239.5	54.2	942	4	US-09-919-172-87	Sequence 87, Appl
23	239.5	54.2	943	4	US-09-193-562D-32	Sequence 32, Appl
24	239.5	54.2	943	4	US-09-643-597-161	Sequence 161, App
25	239.5	54.2	943	4	US-09-480-884A-161	Sequence 161, App
26	239.5	54.2	943	4	US-09-542-615A-161	Sequence 161, App
27	239.5	54.2	943	4	US-09-606-421B-161	Sequence 161, App
28	239.5	54.2	943	4	US-09-623-624-4	Sequence 4, Appli
29	239.5	54.2	943	4	US-09-221-107-161	Sequence 161, App
30	74.5	16.9	557	4	US-09-252-991A-25674	Sequence 25674, A
31	66.5	15.0	594	4	US-09-252-991A-28139	Sequence 28139, A
32	66	14.9	593	4	US-08-836-687B-30	Sequence 30, Appl
33	65	14.7	193	4	US-09-489-039A-14064	Sequence 14064, A
34	64	14.4	79	4	US-08-311-731A-392	Sequence 392, App
35	64	14.5	485	4	US-09-252-991A-31436	Sequence 31436, A
36	63	14.3	292	4	US-09-489-039A-12107	Sequence 12107, A
37	62.5	14.1	165	4	US-09-252-991A-25064	Sequence 25064, A
38	62.5	14.1	658	4	US-09-252-991A-26319	Sequence 26319, A
39	61	13.7	171	5	PCT-US93-02475-12	Sequence 12, Appl
40	61	13.7	376	4	US-09-464-535-42	Sequence 42, Appl
41	61	13.8	511	4	US-09-107-532A-6112	Sequence 6112, Ap
42	60.5	13.6	204	4	US-09-252-991A-21317	Sequence 21317, A
43	60.5	13.7	581	4	US-09-252-991A-32361	Sequence 32361, A
44	60	13.6	451	1	US-08-453-117-2	Sequence 2, Appli
45	60	13.6	451	2	US-08-948-222-2	Sequence 2, Appli

ALIGNMENTS

RESULT 1

US-09-623-624-6
; Sequence 6, Application US/09623624
; Patent No. 6576434
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/09/623,624
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,472
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,110
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,168
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/980,872
; PRIOR FILING DATE: 1997-12-01

; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 6
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-623-624-6

Alignment Scores:

Pred. No.: 6.2e-51 Length: 914
Score: 442.00 Matches: 79
Percent Similarity: 100.00% Conservatives: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0

US-09-049-696-3 (1-240) x US-09-623-624-6 (1-914)

QY 3 AATGCTGATGTTCTGGTTCCTGAGTCTACTCTCCAGGTAATGATGAACCCCTACACTGAG 62
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Db 101 AsnAlaAspValLeuValAlaGluSerThrProGlyAsnAspGluProTyrThrGlu 120
63 CAGATGGGCAACTGTGGAGAGAGGGTGAAGGATCCACCTCACTCTGATTTTCATTGCA 122
|||||
Db 121 GlnMetGlyAsnCysGlyGluGlyGluArgIleHisLeuThrProAspPheIleAla 140
123 GGAAGAAAGTTAGCTGAATATGACACCAAGGTAGGCGATTGTCTCATGAGTGGGCTCAT 182
|||||
Db 141 GlyLysLeuAlaGluTyrGlyProGlnGlyArgAlaPheValHisGluTrpAlaHis 160
183 CTACGATGGGAGTATTTCACGAGTACAATAATGATGAGAAATTCCTACTTATCCCAAT 239
|||||
Db 161 LeuArgTrpGlyValPheAspGluTyrAsnAsnAspGluLysPheTyrLeuSerAsn 179

RESULT 2

US-09-193-562D-28
; Sequence 28, Application US/09193562D
; Patent No. 6309857

; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.

; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052

; CURRENT APPLICATION NUMBER: US/09/193,562D

; PRIOR FILING DATE: 1998-11-17

; PRIOR APPLICATION NUMBER: US/60/065,922

; PRIOR FILING DATE: 1997-11-17

; NUMBER OF SEQ ID NOS: 47

; SEQ ID NO 28

; LENGTH: 914

; TYPE: PRT

; ORGANISM: Homo sapiens

US-09-193-562D-28

Alignment Scores:

Pred. No.: 1.58e-50 Length: 914
Score: 439.00 Matches: 78
Percent Similarity: 100.00% Conservatives: 1
Best Local Similarity: 98.73% Mismatches: 0
Query Match: 99.32% Indels: 0
DB: 4 Gaps: 0

US-09-049-696-3 (1-240) x US-09-193-562D-28 (1-914)

QY 3 AATGCTGATGTTCTGGTTCCTGAGTCTACTCTCCAGGTAATGATGAACCCCTACACTGAG 62
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Db 101 AsnAlaAspValLeuValAlaGluSerThrProGlyAsnAspGluProTyrThrGlu 120
63 CAGATGGGCAACTGTGGAGAGAGGGTGAAGGATCCACCTCACTCTGATTTTCATTGCA 122
|||||
Db 121 GlnMetGlyAsnCysGlyGluGlyGluArgIleHisLeuThrProAspPheIleAla 140
123 GGAAGAAAGTTAGCTGAATATGACACCAAGGTAGGCGATTGTCTCATGAGTGGGCTCAT 182

Db 141 GlyLysLeuAlaGluTyrGlyProGlnGlyLysAlaPheValHisGluTrpAlaHis 160
QY 183 CTACGATGGGAGTATTTCACGAGTACAATAATGATGAGAAATTCCTACTTATCCCAAT 239
|||||
Db 161 LeuArgTrpGlyValPheAspGluTyrAsnAsnAspGluLysPheTyrLeuSerAsn 179

RESULT 3

US-09-623-624-2

; Sequence 2, Application US/09623624

; Patent No. 6576434

; GENERAL INFORMATION:

; APPLICANT: Magainin Pharmaceuticals, Inc.

; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating

; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related

; TITLE OF INVENTION: Disorders

; FILE REFERENCE: 36870-5073-WO

; CURRENT APPLICATION NUMBER: US/09/623,624

; CURRENT FILING DATE: 2000-09-06

; PRIOR APPLICATION NUMBER: PCT/US99/04703

; PRIOR FILING DATE: 1999-03-03

; PRIOR APPLICATION NUMBER: US 08/697,360

; PRIOR FILING DATE: 1996-08-23

; PRIOR APPLICATION NUMBER: US 08/697,419

; PRIOR FILING DATE: 1996-08-23

; PRIOR APPLICATION NUMBER: US 08/697,440

; PRIOR FILING DATE: 1996-08-23

; PRIOR APPLICATION NUMBER: US 08/697,471

; PRIOR FILING DATE: 1996-08-23

; PRIOR APPLICATION NUMBER: US 08/697,471

; PRIOR FILING DATE: 1996-08-23

; PRIOR APPLICATION NUMBER: US 08/697,472

; PRIOR FILING DATE: 1996-08-23

; PRIOR APPLICATION NUMBER: US 08/697,473

; PRIOR FILING DATE: 1996-08-23

; PRIOR APPLICATION NUMBER: US 08/702,105

; PRIOR FILING DATE: 1996-08-23

; PRIOR APPLICATION NUMBER: US 08/702,110

; PRIOR FILING DATE: 1996-08-23

; PRIOR APPLICATION NUMBER: US 08/702,168

; PRIOR FILING DATE: 1996-08-23

; PRIOR APPLICATION NUMBER: US 08/980,872

; NUMBER OF SEQ ID NOS: 18

; SOFTWARE: Patentin Ver. 2.0

; SEQ ID NO 2

; LENGTH: 913

; TYPE: PRT

; ORGANISM: Mus musculus

US-09-623-624-2

Alignment Scores:

Pred. No.: 2.56e-39 Length: 913
Score: 356.00 Matches: 62
Percent Similarity: 88.46% Conservatives: 7
Best Local Similarity: 79.49% Mismatches: 9
Query Match: 80.54% Indels: 0
DB: 4 Gaps: 0

US-09-049-696-3 (1-240) x US-09-623-624-2 (1-913)

QY 3 AATGCTGATGTTCTGGTTCCTGAGTCTACTCTCCAGGTAATGATGAACCCCTACACTGAG 62
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Db 101 AsnAlaAspValLeuValSerThrThrProGlyAsnAspGluProTyrThrGlu 120
63 CAGATGGGCAACTGTGGAGAGAGGGTGAAGGATCCACCTCACTCTGATTTTCATTGCA 122
|||||
Db 121 HisIleGlyAlaCysGlyGluLysGlyIleArgIleHisLeuThrProAspPheLeuAla 140
123 GGAAGAAAGTTAGCTGAATATGACACCAAGGTAGGCGATTGTCTCATGAGTGGGCTCAT 182
|||||
Db 141 GlyLysLeuThrGlnTyrGlyProGlnAspArgThrPheValHisGluTrpAlaHis 160

Db 120 GlnPheThrGluCysGlyGluLysGlyGluTyrIleHisPheThrProAspLeuLeuLeu 139
QY 123 GGAAAAAGATTAGCTGAATATATGACACACCAAGGTAGGCGCATTTCTCCATAGTGGGTTCAT 182
Db 140 GluLysLysGlnAsnGlnTyrGlyProGlyLysLeuPheValHisGluTrpAlaHis 159
QY 183 CTACGATGGGAGTATTGACGAGTACAATAATGATGAGAAATCTTAC 230
Db 160 LeuArgTrpGlyValPheAspGluTyrAsnGluAspGlnProPheTyr 175
RESULT 5
US-09-193-562D-46
; Sequence 46, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; CURRENT FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 46
; LENGTH: 903
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Calcium sensitive chloride channel from bovine tracheal
; OTHER INFORMATION: epithelium (Cunningham et al., 1995, J. Biol Chem., 270:31016-
US-09-193-562D-46
Alignment Scores:
Pred. No.: 5e-27 Length: 903
Score: 265.00 Matches: 46
Percent Similarity: 72.73% Conservative: 10
Best Local Similarity: 59.74% Mismatches: 21
Query Match: 59.95% Indels: 0
DB: Gaps: 0
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QY 6 GCTGATGTTCTGCTCTGCTGAGTCTACTCTCCAGGTAATGATGAACCTACACTGAGCAG 65
Db 101 AlaGluValIleValAlaAsnProTyrLeuLysHisGlyAspAspProTyrThrLeuGln 120
QY 66 ATGGCGCACTGTGGAGAGAAGGTGAAGGATCCACTCTCATCTGATTTCATTGCAGGA 125
Db 121 TyrGlyArgCysGlyGluLysGlyGlnTyrIleHisPheThrProAsnPheLeuLeuThr 140
QY 126 AAAAGCTTAGCTGAATATATGACACCAAGGTAGGCGCATTTGTCATAGTGGGTTCATCTA 185
Db 141 AsnAsnLeuProIleTyrGlySerArgGlyArgAlaPheValHisGluTrpAlaHisLeu 160
QY 186 CGATGGGGAGTATTTCACGAGTACATATATGATGAGAAATCTTACTATCC 236
Db 161 ArgTrpGlyIlePheAspGluTyrAsnGlyAspGlnProPheTyrIleSer 177
RESULT 6
US-09-623-624-18
; Sequence 18, Application US/09623624
; Patent No. 6576434
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/09/623,624
; CURRENT FILING DATE: 2000-09-06


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; OTHER INFORMATION: Variant of Lu-ECAM-1 from bovine endothelial cells
US-09-193-562D-12

Alignment Scores:
Pred. No.: 1.09e-25 Length: 821
Score: 255.00 Matches: 45
Percent Similarity: 70.13% Conservatives: 9
Best Local Similarity: 58.44% Mismatches: 23
Query Match: 57.69% Indels: 0
DB: 4 Gaps: 0

US-09-049-696-3 (1-240) x US-09-193-562D-12 (1-821)
QY 6 GCTGATGTTCTGGTTGCTGAGTCTACTCTCCAGGTAATGATGAACCTACATGAGCAG 65
Db 101 AlaAspValIleValAlaAsnProTyrLeuLysTyrGlyAspAspProTyrThrLeuGln 120
QY 66 ATGGGCACTGTGGAGAGAAGGGTGAAGGATCCACCTCACTCTCGATTTCATTCGACGA 125
Db 121 TyrGlyArgCysGlyGluLysTyrIleHisPheThrProAsnPheLeuThr 140
QY 126 AAAAAGTTAGCTGAATATATGGACCAAGCTAGGCGCATTTGTCCATATAGTGGGCTCATCTA 185
Db 141 AsnAsnPheHisIleTyrGlySerArgGlyArgValPheValHisGluTrpAlaHisLeu 160
QY 186 CGATGGGAGATATTTGACGAGGTACAATAATGATGAGAAATTTCTACTTATCC 236
Db 161 ArgTrpGlyIlePheAspGluTyrAsnValAspGlnProPheTyrIleSer 177

RESULT 11
US-09-193-562D-34
; Sequence 34, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; CURRENT FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 34
; LENGTH: 902
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-193-562D-34

Alignment Scores:
Pred. No.: 1.12e-25 Length: 902
Score: 255.00 Matches: 45
Percent Similarity: 71.43% Conservatives: 10
Best Local Similarity: 58.44% Mismatches: 22
Query Match: 57.69% Indels: 0
DB: 4 Gaps: 0

US-09-049-696-3 (1-240) x US-09-193-562D-34 (1-902)
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Db 101 AlaAspValIleValAlaAspProHisLeuGlnHisGlyAspAspProTyrThrLeuGln 120
QY 66 ATGGGCACTGTGGAGAGAAGGGTGAAGGATCCACCTCACTCTCGATTTCATTCGACGA 125
Db 121 TyrGlyGlnCysGlyAspArgGlyGlnTyrIleHisPheThrProAsnPheLeuThr 140
QY 126 AAAAAGTTAGCTGAATATATGGACCAAGCTAGGCGCATTTGTCCATATAGTGGGCTCATCTA 185
Db 141 AsnAsnLeuArgIleTyrGlyProArgGlyArgValPheValHisGluTrpAlaHisLeu 190
QY 186 CGATGGGAGATATTTGACGAGGTACAATAATGATGAGAAATTTCTACTTATCC 236

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126 AAAAGTTA---GCTGAATATGGACCACAAAGTAGGCGATTGTCCATGAGTGGGCTCAT 182 QY
129 AspAsnLeuThrAlaGlyTyrGlySerArgGlyArgValPheValHisGluIuTrpAlaHis 168 Db
183 CTACGATGGGGAGTATTTGACGAGGTACAAATATGATGAGAAATTTCTACTTATCC 236 QY
169 LeuArgTrpGluValPheAspGluTyrAsnAsnAspIysProPheTyrIleAsn 186 Db

RESULT 15

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RESULT 15
US-09-542-615A-169
US-Sequence 169, Application US/09542615A
; Patent No. 6518256
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Ligu
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy A.
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY
; AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.455C8
; CURRENT APPLICATION NUMBER: US/09/542,615A
; CURRENT FILING DATE: 2000-04-14
; NUMBER OF SEQ ID NOS: 350
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 169
; LENGTH: 592
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-542-615A-169

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Alignment Scores:		
Pred. No.:	1,218-23	Length:
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Best Local Similarity:	55.13%	Mismatches:
Query Match:	54.19%	Indels:
DB:	4	Gaps:

US-09-049-696-3 (1-240) x US-09-542-615A-169 (1-592)

6	QY	GCTGATGTTCTGGTTCGATGCTTACTCTCCAGGTAATGATGAACCTTACTACGTGACGAG	65
109	Db	AlaAsnValIleValThrAspTrpTyrGlyAlaHisGlyAspProTyrThrLeuGln	128
66	QY	ATGGCCAACTGTGGAGAGAGGGTCAAGAGTACCCTCACTCCTGATTTTCATTGCAGGA	125
129	Db	TyrArgGlyCysGlyLysGluGlyLysTyrIleHisPheThrProAsnPheLeuLeuAsn	148
126	QY	AAAAAGTTTAAA---GCTGAATATGGACCAACGAGTAGGGCATTTGTCCATGATGGCGGTCTAT	182
149	Db	AspAsnLeuThrAlaGlyTyrGlySerArgGlyArgValPheValHisGluTrpAlaHis	168
183	QY	CTACGATGGGGAGTATTTGACAGGTACAAATAATGATGAGAAATTTCTACTTATCC	236
169	Db	LeuAqrTrpGlyValPheAspGlyTyrAsnAsnAspLysProPheTyrIleAsn	186

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Job time : 14.2471 secs

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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: April 24, 2004, 04:05:52 ; Search time 146.099 Seconds
(without alignments)
8424.829 Million cell updates/sec

Title: US-09-049-696-2

Perfect score: 273

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Searched: 2907579 seqs, 2254313464 residues

Total number of hits satisfying chosen parameters: 5815158

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA:*

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- 3: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq:*
- 4: /cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq:*
- 5: /cgn2_6/ptodata/2/pubpna/US07_NEW_PUB.seq:*
- 6: /cgn2_6/ptodata/2/pubpna/US07_PUBCOMB.seq:*
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- 15: /cgn2_6/ptodata/2/pubpna/US10_PUBCOMB.seq:*
- 16: /cgn2_6/ptodata/2/pubpna/US10_PUBCOMB.seq:*
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- 18: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq:*
- 19: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

Prod. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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2	267.4	97.9	2745	15	US-10-270-595-5
3	267.4	97.9	2854	15	US-10-106-698-1971
4	267.4	97.9	2867	15	US-10-106-698-351
5	267.4	97.9	3007	15	US-10-055-412B-27
6	267.4	97.9	3111	9	US-09-823-356-25
7	267.4	97.9	3111	9	US-09-981-353-191
8	267.4	97.9	3111	15	US-10-235-994-25
9	267.4	97.9	3267	9	US-09-764-868-22
10	267.4	97.9	3311	9	US-09-922-217-1056
11	267.4	97.9	3311	9	US-09-833-263-1056
12	267.4	97.9	3311	14	US-10-025-380-1056
13	267.4	97.9	3311	15	US-10-393-590-11
14	267.4	97.9	3311	15	US-10-393-590-12

15	267.4	97.9	3311	15	US-10-393-590-46	Sequence 46, Appl
16	267.4	97.9	3311	15	US-10-393-590-47	Sequence 47, Appl
17	267.4	97.9	3311	15	US-10-393-567-11	Sequence 11, Appl
18	267.4	97.9	3311	15	US-10-393-567-12	Sequence 12, Appl
19	267.4	97.9	3311	15	US-10-393-567-46	Sequence 46, Appl
20	267.4	97.9	3311	15	US-10-393-567-47	Sequence 47, Appl
21	267.4	97.9	3311	15	US-10-394-087-11	Sequence 11, Appl
22	267.4	97.9	3311	15	US-10-394-087-12	Sequence 12, Appl
23	267.4	97.9	3311	15	US-10-394-087-46	Sequence 46, Appl
24	267.4	97.9	3311	15	US-10-394-087-47	Sequence 47, Appl
25	266.4	97.6	533	14	US-10-033-528-1883	Sequence 1883, Ap
26	266.4	97.6	533	15	US-10-039-926-1883	Sequence 1883, Ap
27	263.8	96.6	533	13	US-09-878-134-182	Sequence 182, App
28	245.4	89.9	401	9	US-09-922-217-34	Sequence 34, Appl
29	245.4	89.9	401	9	US-09-833-263-34	Sequence 34, Appl
30	245.4	89.9	401	14	US-10-025-380-34	Sequence 34, Appl
31	214.8	78.7	4569	10	US-09-867-034-3	Sequence 3, Appl
32	214.8	78.7	4569	13	US-10-276-115-3	Sequence 3, Appl
33	210.4	77.1	3109	15	US-10-106-698-111	Sequence 211, Ap
34	201.4	73.8	331	15	US-10-066-543-1682	Sequence 1682, Ap
35	201.4	73.8	331	15	US-10-066-543-2191	Sequence 2191, Ap
36	182.2	66.7	2931	15	US-10-270-595-1	Sequence 1, Appl
37	151.2	55.4	2754	15	US-10-345-680-33	Sequence 33, Appl
38	151.2	55.4	3043	14	US-10-025-167-16	Sequence 16, Appl
39	151.2	55.4	3169	9	US-09-981-353-53	Sequence 53, Appl
40	151.2	55.4	3169	15	US-10-235-994-15	Sequence 15, Appl
41	151.2	55.4	3181	14	US-10-025-167-18	Sequence 18, Appl
42	151.2	55.4	3195	10	US-09-867-034-22	Sequence 22, Appl
43	151.2	55.4	3195	13	US-10-276-115-22	Sequence 22, Appl
44	151.2	55.4	3196	15	US-10-158-646-39	Sequence 39, Appl
45	151.2	55.4	3199	13	US-10-276-774-993	Sequence 993, App

ALIGNMENTS

RESULT 1

US-10-066-543-1503
; Sequence 1503, Application US/10066543
; Publication No. US20030087818A1
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yugu
; APPLICANT: Pyle, Ruth A.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Indirias, Carol Yoseph
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather
; APPLICANT: Carter, Darrick
; APPLICANT: Fanger, Gary R.
; APPLICANT: Smith, Carole L.
; APPLICANT: Durham, Margarita
; APPLICANT: Stolk, John A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF COLON CANCER
; FILE REFERENCE: 210121.563
; CURRENT APPLICATION NUMBER: US/10/066,543
; NUMBER OF SEQ ID NOS: 3417
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 1503
; LENGTH: 508
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-066-543-1503

Query Match 97.9%; Score 267.4; DB 15; Length 508;
Best Local Similarity 98.2%; Pred. No. 1.6e-72;
Matches 268; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1 GTTGCATCGACCCCAATGTGCGAGATGAACACTCATTCACCAATTAAGGCATG 60

DB 112 GTTCAATCGACCCCAATGTGCGAGATGAACACTCATTCACCAATTAAGGCATG 171

QY 61 GTGACCCAGGCATCTCTGTATCTGTTTGAAGCTACAGGAAGCGATTTTATTTCAAAAT 120
Db 172 GTGACCCAGGCATCTCTGTATCTGTTTGAAGCTACAGGAAGCGATTTTATTTCAAAAT 231
QY 121 GTTGCCATTTTGAATTCCTGAAATGGAAGCAAGGNTGATATGTGAGACCAAACTT 180
Db 232 GTTGCCATTTTGAATTCCTGAAATGGAAGCAAGGNTGATATGTGAGACCAAACTT 291
QY 181 GAGACCTACAAAATGCTGATGTTCTGTTGTTGCTGAGTCTTANTCCTCCAGGNAATGATGAA 240
Db 292 GAGACCTACAAAATGCTGATGTTCTGTTGTTGCTGAGTCTTANTCCTCCAGGNAATGATGAA 240
QY 241 CCTACACTGNGCAGATGGGCAACTGTGGCGAG 273
Db 352 CCTACACTGAGCAGATGGGCAACTGTGGAGAG 384

RESULT 2

US-10-270-595-5
; Sequence 5, Application US/10270595
; Publication No. US20030078409A1
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/10/270,595
; PRIOR FILING DATE: 2002-10-16
; PRIOR APPLICATION NUMBER: US/09/623,624
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,472
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; PRIOR FILING DATE: 1996-08-23
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 2745
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(2742)
US-10-270-595-5

Query Match 97.9%; Score 267.4; DB 15; Length 2745;
Best Local Similarity 98.2%; Pred. No. 3.9e-72;
Matches 268; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1 GTTGCAATCGACCCCAATGTGCCAGAGATGAACACTCATTCAACAAATAAAGGACATG 60
Db 109 GTTGCAATCGACCCCAATGTGCCAGAGATGAACACTCATTCAACAAATAAAGGACATG 168
QY 61 GTGACCCAGGCATCTCTGTATCTGTTTGAAGCTACAGGAAGCGATTTTATTTCAAAAT 120
Db 169 GTGACCCAGGCATCTCTGTATCTGTTTGAAGCTACAGGAAGCGATTTTATTTCAAAAT 228

QY 121 GTTGCCATTTTGAATTCCTGAAACATGGAAGCAAGGNTGATATGTGAGACCAAACTT 180
Db 229 GTTGCCATTTTGAATTCCTGAAACATGGAAGCAAGGNTGATATGTGAGACCAAACTT 288
QY 191 GAGACCTACAAAATGCTGATGTTCTGTTGTTGCTGAGTCTTANTCCTCCAGGNAATGATGAA 240
Db 289 GAGACCTACAAAATGCTGATGTTCTGTTGTTGCTGAGTCTTANTCCTCCAGGNAATGATGAA 348
QY 241 CCTACACTGNGCAGATGGGCAACTGTGGCGAG 273
Db 349 CCTACACTGAGCAGATGGGCAACTGTGGAGAG 381

RESULT 3

US-10-106-698-1971
; Sequence 1971, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptides
; FILE REFERENCE: PA005P1
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 1971
; LENGTH: 2854
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-106-698-1971

Query Match 97.9%; Score 267.4; DB 15; Length 2854;
Best Local Similarity 98.2%; Pred. No. 4e-72;
Matches 268; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1 GTTGCAATCGACCCCAATGTGCCAGAGATGAACACTCATTCAACAAATAAAGGACATG 60
Db 143 GTTGCAATCGACCCCAATGTGCCAGAGATGAACACTCATTCAACAAATAAAGGACATG 202
QY 61 GTGACCCAGGCATCTCTGTATCTGTTTGAAGCTACAGGAAGCGATTTTATTTCAAAAT 120
Db 203 GTGACCCAGGCATCTCTGTATCTGTTTGAAGCTACAGGAAGCGATTTTATTTCAAAAT 262
QY 121 GTTGCCATTTTGAATTCCTGAAACATGGAAGCAAGGNTGATATGTGAGACCAAACTT 180
Db 263 GTTGCCATTTTGAATTCCTGAAACATGGAAGCAAGGNTGATATGTGAGACCAAACTT 322
QY 181 GAGACCTACAAAATGCTGATGTTCTGTTGTTGCTGAGTCTTANTCCTCCAGGNAATGATGAA 240
Db 323 GAGACCTACAAAATGCTGATGTTCTGTTGTTGCTGAGTCTTANTCCTCCAGGNAATGATGAA 382
QY 241 CCTACACTGNGCAGATGGGCAACTGTGGCGAG 273
Db 383 CCTACACTGAGCAGATGGGCAACTGTGGAGAG 415

RESULT 4

US-10-106-698-351
; Sequence 351, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptides
; FILE REFERENCE: PA005P1
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524

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; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 351
; LENGTH: 2867
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-106-698-351

Query Match
Best Local Similarity 97.9%; Score 267.4; DB 15; Length 2867;
Matches 268; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1 GTTGCAATCGACCCCAATGTGCGAAGATGAACACTCATTCAACAAATAAAGGACATG 60
DB 146 GTTGCAATCGACCCCAATGTGCGAAGATGAACACTCATTCAACAAATAAAGGACATG 205
QY 61 GTGACCCAGGCATCTCTGTATCTGTTGAAGCTACAGGAAAGCGATTTTATTTCAAAAT 120
DB 206 GTGACCCAGGCATCTCTGTATCTGTTGAAGCTACAGGAAAGCGATTTTATTTCAAAAT 265
QY 121 GTTGCAATTTGATTCCTGAAACATGGAAGACAAAGGNTGACTATGTGAGACCAAAACTT 180
DB 266 GTTGCAATTTGATTCCTGAAACATGGAAGACAAAGGNTGACTATGTGAGACCAAAACTT 325
QY 181 GAGACCTACAAAATGCTGATCTCTGTTGCTGAGTCTANTCTCCAGGNAATGATGAA 240
DB 326 GAGACCTACAAAATGCTGATCTCTGTTGCTGAGTCTANTCTCCAGGNAATGATGAA 385
QY 241 CCCTACACTGNGCAGATGGGCAACTGTGGCGAG 273
DB 386 CCCTACACTGAGCAGATGGGCAACTGTGGAGAG 418

RESULT 5
US-10-055-412B-27
; Sequence 27, Application US/10055412B
; Publication No. US20030059861A1
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedict U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; FILE REFERENCE: 18617.0058
; CURRENT APPLICATION NUMBER: US/10/055,412B
; CURRENT FILING DATE: 2001-10-29
; PRIOR APPLICATION NUMBER: US/09/193,562
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 27
; LENGTH: 3007
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-055-412B-27

Query Match
Best Local Similarity 97.9%; Score 267.4; DB 15; Length 3007;
Matches 268; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1 GTTGCAATCGACCCCAATGTGCGAAGATGAACACTCATTCAACAAATAAAGGACATG 60
DB 155 GTTGCAATCGACCCCAATGTGCGAAGATGAACACTCATTCAACAAATAAAGGACATG 214
QY 61 GTGACCCAGGCATCTCTGTATCTGTTGAAGCTACAGGAAAGCGATTTTATTTCAAAAT 120
DB 215 GTGACCCAGGCATCTCTGTATCTGTTGAAGCTACAGGAAAGCGATTTTATTTCAAAAT 274
QY 121 GTTGCAATTTGATTCCTGAAACATGGAAGACAAAGGNTGACTATGTGAGACCAAAACTT 180
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; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 351
; LENGTH: 2867
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-106-698-351

Query Match
Best Local Similarity 97.9%; Score 267.4; DB 15; Length 2867;
Matches 268; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1 GTTGCAATCGACCCCAATGTGCGAAGATGAACACTCATTCAACAAATAAAGGACATG 60
DB 146 GTTGCAATCGACCCCAATGTGCGAAGATGAACACTCATTCAACAAATAAAGGACATG 205
QY 61 GTGACCCAGGCATCTCTGTATCTGTTGAAGCTACAGGAAAGCGATTTTATTTCAAAAT 120
DB 206 GTGACCCAGGCATCTCTGTATCTGTTGAAGCTACAGGAAAGCGATTTTATTTCAAAAT 265
QY 121 GTTGCAATTTGATTCCTGAAACATGGAAGACAAAGGNTGACTATGTGAGACCAAAACTT 180
DB 266 GTTGCAATTTGATTCCTGAAACATGGAAGACAAAGGNTGACTATGTGAGACCAAAACTT 325
QY 181 GAGACCTACAAAATGCTGATCTCTGTTGCTGAGTCTANTCTCCAGGNAATGATGAA 240
DB 326 GAGACCTACAAAATGCTGATCTCTGTTGCTGAGTCTANTCTCCAGGNAATGATGAA 385
QY 241 CCCTACACTGNGCAGATGGGCAACTGTGGCGAG 273
DB 386 CCCTACACTGAGCAGATGGGCAACTGTGGAGAG 418

RESULT 5
US-10-055-412B-27
; Sequence 27, Application US/10055412B
; Publication No. US20030059861A1
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedict U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; FILE REFERENCE: 18617.0058
; CURRENT APPLICATION NUMBER: US/10/055,412B
; CURRENT FILING DATE: 2001-10-29
; PRIOR APPLICATION NUMBER: US/09/193,562
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 27
; LENGTH: 3007
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-055-412B-27

Query Match
Best Local Similarity 97.9%; Score 267.4; DB 9; Length 3111;
Matches 268; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1 GTTGCAATCGACCCCAATGTGCGAAGATGAACACTCATTCAACAAATAAAGGACATG 60
DB 142 GTTGCAATCGACCCCAATGTGCGAAGATGAACACTCATTCAACAAATAAAGGACATG 201
QY 61 GTGACCCAGGCATCTCTGTATCTGTTGAAGCTACAGGAAAGCGATTTTATTTCAAAAT 120
DB 202 GTGACCCAGGCATCTCTGTATCTGTTGAAGCTACAGGAAAGCGATTTTATTTCAAAAT 261
QY 121 GTTGCAATTTGATTCCTGAAACATGGAAGACAAAGGNTGACTATGTGAGACCAAAACTT 180
DB 262 GTTGCAATTTGATTCCTGAAACATGGAAGACAAAGGNTGACTATGTGAGACCAAAACTT 321
QY 181 GAGACCTACAAAATGCTGATGTTCTGTTGCTGAGTCTANTCTCCAGGNAATGATGAA 240
DB 322 GAGACCTACAAAATGCTGATGTTCTGTTGCTGAGTCTANTCTCCAGGNAATGATGAA 381
QY 241 CCCTACACTGNGCAGATGGGCAACTGTGGCGAG 273
DB 382 CCCTACACTGAGCAGATGGGCAACTGTGGAGAG 414

RESULT 7
US-09-981-353-191
; Sequence 191, Application US/09981353
; Patent No. US20020160382A1
```

GENERAL INFORMATION:
; APPLICANT: Lasek, Amy W.
; APPLICANT: Jones, David A.
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0038 US
; CURRENT APPLICATION NUMBER: US/09/981,353
; CURRENT FILING DATE: 2001-10-11
; NUMBER OF SEQ ID NOS: 194
; SOFTWARE: PERL Program
; SEQ ID NO 191
; LENGTH: 3111
; TYPE: DNA
; ORGANISM: Homo sapiens
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No. US20020160382A1 1737775CB1
US-09-981-353-191

Query Match 97.9%; Score 267.4; DB 9; Length 3111;
Best Local Similarity 98.2%; Pred. No. 4.2e-72;
Matches 268; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
QY 1 GTTGCAATCGACCCCAATGTGCCAGAGATGAACACATCTATTCAACAAATAAAGGACATG 60
DB GTTGCAATCGACCCCAATGTGCCAGAGATGAACACATCTATTCAACAAATAAAGGACATG 201
QY 61 GTGACCCAGGCATCTCTGTATCTGTTGAAGCTACAGAAAGCGATTTTATTTCAAAAAT 120
DB GTGACCCAGGCATCTCTGTATCTGTTGAAGCTACAGAAAGCGATTTTATTTCAAAAAT 261
QY 121 GTTGCAATTTGATCTCTGATCTGTTGAAGCTACAGAAAGCGATTTTATTTCAAAAAT 180
DB GTTGCAATTTGATCTCTGATCTGTTGAAGCTACAGAAAGCGATTTTATTTCAAAAAT 321
QY 181 GAGACCTACAAAATGCTGATGTTCTGTTGCTGAGTCTANTCTCCAGGNAATGATGAA 240
DB GAGACCTACAAAATGCTGATGTTCTGTTGCTGAGTCTANTCTCCAGGNAATGATGAA 381
QY 241 CCTACACTGNGCAGATGGGCAACTGTGGCGAG 273
DB CCTACACTGAGCAGATGGGCAACTGTGGAGAG 414

RESULT 8
US-10-235-994-25
; Sequence 25, Application US/10235994
; Publication No. US20030101002A1
; GENERAL INFORMATION:
; APPLICANT: Bartha, Gabor
; APPLICANT: Walker, Michael
; TITLE OF INVENTION: METHODS FOR ANALYZING GENE EXPRESSION PATTERNS
; FILE REFERENCE: ICYTP012
; CURRENT APPLICATION NUMBER: US/10/235,994
; CURRENT FILING DATE: 2002-09-04
; PRIOR APPLICATION NUMBER: US/10/003,608
; PRIOR FILING DATE: 2001-11-01
; PRIOR APPLICATION NUMBER: 60/245,081
; PRIOR FILING DATE: 2000-11-01
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 25
; LENGTH: 3111
; TYPE: DNA
; ORGANISM: Human
US-10-235-994-25

Query Match 97.9%; Score 267.4; DB 15; Length 3111;
Best Local Similarity 98.2%; Pred. No. 4.2e-72;
Matches 268; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
QY 1 GTTGCAATCGACCCCAATGTGCCAGAGATGAACACATCTATTCAACAAATAAAGGACATG 60
DB GTTGCAATCGACCCCAATGTGCCAGAGATGAACACATCTATTCAACAAATAAAGGACATG 201

QY 61 GTGACCCAGGCATCTCTGTATCTGTTGAAGCTACAGAAAGCGATTTTATTTCAAAAAT 120
DB GTGACCCAGGCATCTCTGTATCTGTTGAAGCTACAGAAAGCGATTTTATTTCAAAAAT 261
QY 121 GTTGCAATTTGATCTCTGATCTGTTGAAGCTACAGAAAGCGATTTTATTTCAAAAAT 180
DB GTTGCAATTTGATCTCTGATCTGTTGAAGCTACAGAAAGCGATTTTATTTCAAAAAT 321
QY 181 GAGACCTACAAAATGCTGATGTTCTGTTGCTGAGTCTANTCTCCAGGNAATGATGAA 240
DB GAGACCTACAAAATGCTGATGTTCTGTTGCTGAGTCTANTCTCCAGGNAATGATGAA 381
QY 241 CCTACACTGNGCAGATGGGCAACTGTGGCGAG 273
DB CCTACACTGAGCAGATGGGCAACTGTGGAGAG 414

RESULT 9
US-09-764-868-22
; Sequence 22, Application US/09764868
; Patent No. US20020168711A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PTZ32
; CURRENT APPLICATION NUMBER: US/09/764,868
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 1510
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 22
; LENGTH: 3267
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-868-22

Query Match 97.9%; Score 267.4; DB 9; Length 3267;
Best Local Similarity 98.2%; Pred. No. 4.3e-72;
Matches 268; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
QY 1 GTTGCAATCGACCCCAATGTGCCAGAGATGAACACATCTATTCAACAAATAAAGGACATG 60
DB GTTGCAATCGACCCCAATGTGCCAGAGATGAACACATCTATTCAACAAATAAAGGACATG 202
QY 61 GTGACCCAGGCATCTCTGTATCTGTTGAAGCTACAGAAAGCGATTTTATTTCAAAAAT 120
DB GTGACCCAGGCATCTCTGTATCTGTTGAAGCTACAGAAAGCGATTTTATTTCAAAAAT 262
QY 121 GTTGCAATTTGATCTCTGATCTGTTGAAGCTACAGAAAGCGATTTTATTTCAAAAAT 180
DB GTTGCAATTTGATCTCTGATCTGTTGAAGCTACAGAAAGCGATTTTATTTCAAAAAT 322
QY 181 GAGACCTACAAAATGCTGATGTTCTGTTGCTGAGTCTANTCTCCAGGNAATGATGAA 240
DB GAGACCTACAAAATGCTGATGTTCTGTTGCTGAGTCTANTCTCCAGGNAATGATGAA 382
QY 241 CCTACACTGNGCAGATGGGCAACTGTGGCGAG 273
DB CCTACACTGAGCAGATGGGCAACTGTGGAGAG 415

RESULT 10
US-09-922-217-1056
; Sequence 1056, Application US/09922217
; Patent No. US20020076414A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather
; APPLICANT: Benson, Darin R.
; APPLICANT: Meagher, Madeleine Joy
; APPLICANT: Stolk, John A.

QY	61	GTGACCCAGGCATCTCTATCTGTTTGAAGCTACAGAAAGCGATTTTATTTCAAAAAT	120
Db	520	GTGACCCAGGCATCTCTATCTGTTTGAAGCTACAGAAAGCGATTTTATTTCAAAAAT	579
QY	121	GTGGCCATTTGATTCCTGAAACATGGAAGCAAAAGGTGACTATGTGAGACCAAACTT	180
Db	580	GTGGCCATTTGATTCCTGAAACATGGAAGCAAAAGGTGACTATGTGAGACCAAACTT	639
QY	181	GAGACTCAAAAATGCTGATGTTCTGCTGCTGAGTCTANTCTCCAGGNAATGATGAA	240
Db	640	GAGACTCAAAAATGCTGATGTTCTGCTGCTGAGTCTANTCTCCAGGNAATGATGAA	699
QY	241	CCCTACACTGNGCAGATGGGCAACTGTGGCGAG	273
Db	700	CCCTACACTGAGCAGATGGGCAACTGTGGAG	732
<p>RESULT 12</p> <p>US-10-025-380-1056</p> <p>Query Match 97.9%; Score 267.4; DB 9; Length 3311;</p> <p>Best Local Similarity 98.2%; Pred. No. 4.4e-72;</p> <p>Matches 268; Conservative 0; Mismatches 5; Indels 0; Gaps 0;</p> <p>GENERAL INFORMATION:</p> <p>APPLICANT: Xu, Jiangchun</p> <p>APPLICANT: Lodes, Michael J.</p> <p>APPLICANT: Secrist, Heather</p> <p>APPLICANT: Benson, Darin R.</p> <p>APPLICANT: Meagher, Madeleine Joy</p> <p>APPLICANT: Stolk, John A.</p> <p>APPLICANT: Wang, Tongtong</p> <p>APPLICANT: Jiang, Yugu</p> <p>APPLICANT: Smith, Carole L.</p> <p>APPLICANT: King, Gordon E.</p> <p>APPLICANT: Wang, Aijun</p> <p>APPLICANT: Clapper, Jonathan D.</p> <p>APPLICANT: Skeiky, Yasir A. W.</p> <p>APPLICANT: Fanger, Gary R.</p> <p>APPLICANT: Vedwick Thomas S.</p> <p>APPLICANT: Carter, Darrick</p> <p>TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS</p> <p>TITLE OF INVENTION: OF COLON CANCER AND METHODS FOR THEIR USE</p> <p>FILE REFERENCE: 210121.471C14</p> <p>CURRENT APPLICATION NUMBER: US/10/025.380</p> <p>CURRENT FILING DATE: 2001-12-19</p> <p>NUMBER OF SEQ ID NOS: 1129</p> <p>SOFTWARE: FastSeq for Windows Version 4.0</p> <p>SEQ ID NO 1056</p> <p>LENGTH: 3311</p> <p>TYPE: DNA</p> <p>ORGANISM: Homo sapiens</p> <p>US-10-025-380-1056</p>			
QY	1	GTTCGAATGACCCCAATGTGCCAGAGATGAAACACTCATTCAACAATAAAGGACATG	60
Db	460	GTTCGAATGACCCCAATGTGCCAGAGATGAAACACTCATTCAACAATAAAGGACATG	519
QY	61	GTGACCCAGGCATCTCTATCTGTTTGAAGCTACAGAAAGCGATTTTATTTCAAAAAT	120
Db	520	GTGACCCAGGCATCTCTATCTGTTTGAAGCTACAGAAAGCGATTTTATTTCAAAAAT	579
QY	121	GTGGCCATTTGATTCCTGAAACATGGAAGCAAAAGGTGACTATGTGAGACCAAACTT	180
Db	580	GTGGCCATTTGATTCCTGAAACATGGAAGCAAAAGGTGACTATGTGAGACCAAACTT	639
QY	181	GAGACTCAAAAATGCTGATGTTCTGCTGCTGAGTCTANTCTCCAGGNAATGATGAA	240
Db	640	GAGACTCAAAAATGCTGATGTTCTGCTGCTGAGTCTANTCTCCAGGNAATGATGAA	699
QY	241	CCCTACACTGNGCAGATGGGCAACTGTGGCGAG	273
Db	700	CCCTACACTGAGCAGATGGGCAACTGTGGAG	732
<p>RESULT 11</p> <p>US-09-833-263-1056</p> <p>Query Match 97.9%; Score 267.4; DB 9; Length 3311;</p> <p>Best Local Similarity 98.2%; Pred. No. 4.4e-72;</p> <p>Matches 268; Conservative 0; Mismatches 5; Indels 0; Gaps 0;</p> <p>GENERAL INFORMATION:</p> <p>APPLICANT: Wang, Tongtong</p> <p>APPLICANT: Jiang, Yugu</p> <p>APPLICANT: Smith, Carole Lynn</p> <p>APPLICANT: King, Gordon E.</p> <p>APPLICANT: Wang, Aijun</p> <p>APPLICANT: Clapper, Jonathan D.</p> <p>APPLICANT: Stolk, John A.</p> <p>APPLICANT: Meagher, Madeleine J.</p> <p>TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND</p> <p>TITLE OF INVENTION: DIAGNOSIS OF COLON CANCER AND METHODS FOR THEIR USE</p> <p>FILE REFERENCE: 210121.471C12</p> <p>CURRENT APPLICATION NUMBER: US/09/833.263</p> <p>CURRENT FILING DATE: 2001-04-10</p> <p>NUMBER OF SEQ ID NOS: 1093</p> <p>SOFTWARE: FastSeq for Windows Version 3.0</p> <p>SEQ ID NO 1056</p> <p>LENGTH: 3311</p> <p>TYPE: DNA</p> <p>ORGANISM: Homo sapiens</p> <p>US-09-833-263-1056</p>			
QY	1	GTTCGAATGACCCCAATGTGCCAGAGATGAAACACTCATTCAACAATAAAGGACATG	60
Db	460	GTTCGAATGACCCCAATGTGCCAGAGATGAAACACTCATTCAACAATAAAGGACATG	519
QY	61	GTGACCCAGGCATCTCTATCTGTTTGAAGCTACAGAAAGCGATTTTATTTCAAAAAT	120
Db	520	GTGACCCAGGCATCTCTATCTGTTTGAAGCTACAGAAAGCGATTTTATTTCAAAAAT	579
QY	121	GTGGCCATTTGATTCCTGAAACATGGAAGCAAAAGGTGACTATGTGAGACCAAACTT	180
Db	580	GTGGCCATTTGATTCCTGAAACATGGAAGCAAAAGGTGACTATGTGAGACCAAACTT	639
QY	181	GAGACTCAAAAATGCTGATGTTCTGCTGCTGAGTCTANTCTCCAGGNAATGATGAA	240
Db	640	GAGACTCAAAAATGCTGATGTTCTGCTGCTGAGTCTANTCTCCAGGNAATGATGAA	699
QY	241	CCCTACACTGNGCAGATGGGCAACTGTGGCGAG	273
Db	700	CCCTACACTGAGCAGATGGGCAACTGTGGAG	732
<p>US-09-922-217-1056</p> <p>Query Match 97.9%; Score 267.4; DB 9; Length 3311;</p> <p>Best Local Similarity 98.2%; Pred. No. 4.4e-72;</p> <p>Matches 268; Conservative 0; Mismatches 5; Indels 0; Gaps 0;</p>			
QY	1	GTTCGAATGACCCCAATGTGCCAGAGATGAAACACTCATTCAACAATAAAGGACATG	60
Db	460	GTTCGAATGACCCCAATGTGCCAGAGATGAAACACTCATTCAACAATAAAGGACATG	519
QY	61	GTGACCCAGGCATCTCTATCTGTTTGAAGCTACAGAAAGCGATTTTATTTCAAAAAT	120
Db	520	GTGACCCAGGCATCTCTATCTGTTTGAAGCTACAGAAAGCGATTTTATTTCAAAAAT	579
QY	121	GTGGCCATTTGATTCCTGAAACATGGAAGCAAAAGGTGACTATGTGAGACCAAACTT	180
Db	580	GTGGCCATTTGATTCCTGAAACATGGAAGCAAAAGGTGACTATGTGAGACCAAACTT	639
QY	181	GAGACTCAAAAATGCTGATGTTCTGCTGCTGAGTCTANTCTCCAGGNAATGATGAA	240
Db	640	GAGACTCAAAAATGCTGATGTTCTGCTGCTGAGTCTANTCTCCAGGNAATGATGAA	699
QY	241	CCCTACACTGNGCAGATGGGCAACTGTGGCGAG	273
Db	700	CCCTACACTGAGCAGATGGGCAACTGTGGAG	732
<p>US-09-833-263-1056</p> <p>Query Match 97.9%; Score 267.4; DB 9; Length 3311;</p> <p>Best Local Similarity 98.2%; Pred. No. 4.4e-72;</p> <p>Matches 268; Conservative 0; Mismatches 5; Indels 0; Gaps 0;</p>			
QY	1	GTTCGAATGACCCCAATGTGCCAGAGATGAAACACTCATTCAACAATAAAGGACATG	60
Db	460	GTTCGAATGACCCCAATGTGCCAGAGATGAAACACTCATTCAACAATAAAGGACATG	519

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Db 700 CCTACACTGAGCAGATGGGCAACTGTGGAGAG 732
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RESULT 13
US-10-393-590-11
; Sequence 11, Application US/10393590
; Publication No. US20030190656A1
; GENERAL INFORMATION:
; APPLICANT: WANG, YIXIN
; TITLE OF INVENTION: BREAST CANCER PROGNASTIC PORTFOLIO
; FILE REFERENCE: CDS 268 US NP
; CURRENT APPLICATION NUMBER: US/10/393,590
; CURRENT FILING DATE: 2003-03-21
; PRIOR APPLICATION NUMBER: 60/368,789
; PRIOR FILING DATE: 2002-03-29
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 11
; LENGTH: 3311
; TYPE: DNA
; ORGANISM: human
US-10-393-590-11
Query Match 97.9%; Score 267.4; DB 15; Length 3311;
Best Local Similarity 98.2%; Pred. No. 4.4e-72;
Matches 268; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
Qy 1 GTTGAATCGACCCCAATGTGCGAGAGATGAAACACTCATTCAACAAATAAAGGACATG 60
Db 460 GTTGAATCGACCCCAATGTGCGAGAGATGAAACACTCATTCAACAAATAAAGGACATG 519
Qy 61 GTGACCCAGGCATCTCTGTATCTGTTGAAGCTACAGGAAGCGATTTTATTTCAAAAT 120
Db 520 GTGACCCAGGCATCTCTGTATCTGTTGAAGCTACAGGAAGCGATTTTATTTCAAAAT 579
Qy 121 GTTGCCATTTTGAATTCCTGAAACATGGAAGACAAAGGNTGACTATGTGAGACCAAAACTT 180
Db 580 GTTGCCATTTTGAATTCCTGAAACATGGAAGACAAAGGNTGACTATGTGAGACCAAAACTT 639
Qy 181 GAGACCTACAAAATGCTGATGTTCTGCTGAGTCTTANTCTCCAGGNAATGATGAA 240
Db 640 GAGACCTACAAAATGCTGATGTTCTGCTGAGTCTTANTCTCCAGGNAATGATGAA 699
Qy 241 CCTACACTGNGCAGATGGGCAACTGTGGCGAG 273
Db 700 CCTACACTGAGCAGATGGGCAACTGTGGAGAG 732
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RESULT 15
US-10-393-590-46
; Sequence 46, Application US/10393590
; Publication No. US20030190656A1
; GENERAL INFORMATION:
; APPLICANT: WANG, YIXIN
; TITLE OF INVENTION: BREAST CANCER PROGNASTIC PORTFOLIO
; FILE REFERENCE: CDS 268 US NP
; CURRENT APPLICATION NUMBER: US/10/393,590
; CURRENT FILING DATE: 2003-03-21
; PRIOR APPLICATION NUMBER: 60/368,789
; PRIOR FILING DATE: 2002-03-29
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 46
; LENGTH: 3311
; TYPE: DNA
; ORGANISM: human
US-10-393-590-46
Query Match 97.9%; Score 267.4; DB 15; Length 3311;
Best Local Similarity 98.2%; Pred. No. 4.4e-72;
Matches 268; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
Qy 1 GTTGAATCGACCCCAATGTGCGAGAGATGAAACACTCATTCAACAAATAAAGGACATG 60
Db 460 GTTGAATCGACCCCAATGTGCGAGAGATGAAACACTCATTCAACAAATAAAGGACATG 519
Qy 61 GTGACCCAGGCATCTCTGTATCTGTTGAAGCTACAGGAAGCGATTTTATTTCAAAAT 120
Db 520 GTGACCCAGGCATCTCTGTATCTGTTGAAGCTACAGGAAGCGATTTTATTTCAAAAT 579
Qy 121 GTTGCCATTTTGAATTCCTGAAACATGGAAGACAAAGGNTGACTATGTGAGACCAAAACTT 180
Db 580 GTTGCCATTTTGAATTCCTGAAACATGGAAGACAAAGGNTGACTATGTGAGACCAAAACTT 639
Qy 181 GAGACCTACAAAATGCTGATGTTCTGCTGAGTCTTANTCTCCAGGNAATGATGAA 240
Db 640 GAGACCTACAAAATGCTGATGTTCTGCTGAGTCTTANTCTCCAGGNAATGATGAA 699
Qy 241 CCTACACTGNGCAGATGGGCAACTGTGGCGAG 273
Db 700 CCTACACTGAGCAGATGGGCAACTGTGGAGAG 732
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Job time : 146.099 secs
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Db 700 CCTACACTGAGCAGATGGGCAACTGTGGAGAG 732
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RESULT 14
US-10-393-590-12
; Sequence 12, Application US/10393590
; Publication No. US20030190656A1
; GENERAL INFORMATION:
; APPLICANT: WANG, YIXIN
; TITLE OF INVENTION: BREAST CANCER PROGNASTIC PORTFOLIO
; FILE REFERENCE: CDS 268 US NP
; CURRENT APPLICATION NUMBER: US/10/393,590
; CURRENT FILING DATE: 2003-03-21
; PRIOR APPLICATION NUMBER: 60/368,789
; PRIOR FILING DATE: 2002-03-29
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 12
; LENGTH: 3311
; TYPE: DNA
; ORGANISM: human
US-10-393-590-12
Query Match 97.9%; Score 267.4; DB 15; Length 3311;
Best Local Similarity 98.2%; Pred. No. 4.4e-72;
Matches 268; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
Qy 1 GTTGAATCGACCCCAATGTGCGAGAGATGAAACACTCATTCAACAAATAAAGGACATG 60
Db 460 GTTGAATCGACCCCAATGTGCGAGAGATGAAACACTCATTCAACAAATAAAGGACATG 519
Qy 61 GTGACCCAGGCATCTCTGTATCTGTTGAAGCTACAGGAAGCGATTTTATTTCAAAAT 120
Db 520 GTGACCCAGGCATCTCTGTATCTGTTGAAGCTACAGGAAGCGATTTTATTTCAAAAT 579
Qy 121 GTTGCCATTTTGAATTCCTGAAACATGGAAGACAAAGGNTGACTATGTGAGACCAAAACTT 180
Db 580 GTTGCCATTTTGAATTCCTGAAACATGGAAGACAAAGGNTGACTATGTGAGACCAAAACTT 639
Qy 181 GAGACCTACAAAATGCTGATGTTCTGCTGAGTCTTANTCTCCAGGNAATGATGAA 240
Db 640 GAGACCTACAAAATGCTGATGTTCTGCTGAGTCTTANTCTCCAGGNAATGATGAA 699
Qy 241 CCTACACTGNGCAGATGGGCAACTGTGGCGAG 273
Db 700 CCTACACTGAGCAGATGGGCAACTGTGGAGAG 732
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RESULT 14
US-10-393-590-12
; Sequence 12, Application US/10393590
; Publication No. US20030190656A1
; GENERAL INFORMATION:
; APPLICANT: WANG, YIXIN
; TITLE OF INVENTION: BREAST CANCER PROGNASTIC PORTFOLIO
; FILE REFERENCE: CDS 268 US NP
; CURRENT APPLICATION NUMBER: US/10/393,590
; CURRENT FILING DATE: 2003-03-21
; PRIOR APPLICATION NUMBER: 60/368,789
; PRIOR FILING DATE: 2002-03-29
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 12
; LENGTH: 3311
; TYPE: DNA
; ORGANISM: human
US-10-393-590-12
Query Match 97.9%; Score 267.4; DB 15; Length 3311;
Best Local Similarity 98.2%; Pred. No. 4.4e-72;
Matches 268; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
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OM nucleic - nucleic search, using sw model

Run on: April 24, 2004, 00:33:00 ; Search time 25.0942 Seconds
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Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	267.4	97.9	2745	4	US-09-623-624-5
2	267.4	97.9	3007	4	US-09-193-562D-27
3	245.4	89.9	401	3	US-09-221-298-34
4	245.4	89.9	401	4	US-09-401-064-34
5	182.2	66.7	2931	4	US-09-623-624-1
6	151.2	55.4	3043	4	US-09-049-698-16
7	151.2	55.4	3181	4	US-09-049-698-18
8	124.6	45.6	3317	4	US-09-193-562D-1
9	119.8	43.9	3418	4	US-09-193-562D-29
10	113.4	41.5	3022	4	US-09-193-562D-33
11	91	33.3	232	4	US-09-016-434-290
12	75.2	27.5	2773	4	US-09-643-597-358
13	75.2	27.5	2784	4	US-09-643-597-168
14	75.2	27.5	2784	4	US-09-480-884A-168
15	75.2	27.5	2784	4	US-09-542-615A-168
16	75.2	27.5	2784	4	US-09-606-421B-168
17	75.2	27.5	2970	4	US-09-193-562D-31
18	75.2	27.5	3156	4	US-09-919-172-86
19	75.2	27.5	3190	4	US-09-623-624-3
20	75.2	27.5	3362	4	US-09-643-597-167
21	75.2	27.5	3362	4	US-09-480-884A-167
22	75.2	27.5	3362	4	US-09-542-615A-167
23	75.2	27.5	3362	4	US-09-606-421B-167
24	75.2	27.5	3951	4	US-09-643-597-160
25	75.2	27.5	3951	4	US-09-480-884A-160
26	75.2	27.5	3951	4	US-09-542-615A-160
27	75.2	27.5	3951	4	US-09-606-421B-160

28	75.2	27.5	3951	4	US-09-221-107-160	Sequence 160, Appl
29	75.2	27.5	8031	4	US-09-643-597-254	Sequence 254, Appl
30	75.2	27.5	8031	4	US-09-480-884A-254	Sequence 254, Appl
31	75.2	27.5	8031	4	US-09-542-615A-254	Sequence 254, Appl
32	75.2	27.5	8031	4	US-09-606-421B-254	Sequence 254, Appl
33	71	26.0	241	4	US-09-049-698-1	Sequence 1, Appli
34	64.8	23.7	219	4	US-09-049-698-2	Sequence 2, Appli
35	33.6	12.3	1209	4	US-09-134-001C-1837	Sequence 1837, Ap
36	33	12.1	508	4	US-09-221-017B-151	Sequence 151, Ap
37	31.8	11.6	17656	4	US-09-433-579-3	Sequence 3, Appli
38	31.6	11.6	1071	4	US-09-107-532A-29	Sequence 29, Appl
39	31.6	11.6	2615	1	US-08-072-281-1	Sequence 1, Appli
40	31.6	11.6	2615	1	US-08-759-446-1	Sequence 1, Appli
41	31.6	11.6	2615	3	US-09-027-998A-1	Sequence 1, Appli
42	31.6	11.6	3050	2	US-09-031-442A-21	Sequence 21, Appl
43	31.6	11.6	3050	3	US-09-258-377-21	Sequence 21, Appl
44	31.2	11.4	1026	4	US-09-134-001C-1205	Sequence 1205, Ap
45	31.2	11.4	1664976	4	US-08-916-421B-1	Sequence 1, Appli

ALIGNMENTS

RESULT 1
US-09-623-624-5
; Sequence 5, Application US/09623624
; Patent No. 6576434
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/09/623,624
; CURRENT FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,472
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,110
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,168
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/980,872
; PRIOR FILING DATE: 1997-12-01
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 5
; LENGTH: 2745
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1) .. (2742)
US-09-623-624-5

Query Match 97.9%; Score 267.4; DB 4; Length 2745;
Best Local Similarity 98.2%; Pred. No. 4.4e-73;
Matches 268; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1 GTTGAATCGACCCCAATGCGAGAGATGAACACTCATTCAACAAATAAAGGACATG 60
DB 109 GTTGAATCGACCCCAATGCGAGAGATGAACACTCATTCAACAAATAAAGGACATG 168
QY 61 GTGACCCAGGCATCTCTGATCTGTTGAAGCTACAGGAAGCGATTTTATTTCAAAAT 120
DB 169 GTGACCCAGGCATCTCTGATCTGTTGAAGCTACAGGAAGCGATTTTATTTCAAAAT 228
QY 121 GTTGCCATTTTCTGATCTCTGATCTGTTGAAGCTACAGGAAGCGATTTTATTTCAAAAT 180
DB 229 GTTGCCATTTTCTGATCTCTGATCTGTTGAAGCTACAGGAAGCGATTTTATTTCAAAAT 288
QY 181 GAGACCTACAAAATGCTGATCTCTGTTGCTGAGTCTANTCCTCCAGGNAATGATGAA 240
DB 289 GAGACCTACAAAATGCTGATCTCTGTTGCTGAGTCTANTCCTCCAGGNAATGATGAA 348
QY 241 CCTACACTGNGCAGATGGGCAACTGTGGCGAG 273
DB 349 CCTACACTGAGCAGATGGGCAACTGTGGGAG 381

RESULT 2

US-09-193-562D-27

; Sequence 27, Application US/09193562D

; Patent No. 6309857

; GENERAL INFORMATION:

; APPLICANT: Pauli, Benedicht U.

; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium

; FILE REFERENCE: 18617.0052

; CURRENT APPLICATION NUMBER: US/09/193,562D

; PRIOR FILING DATE: 1998-11-17

; PRIOR APPLICATION NUMBER: US/60/065,922

; NUMBER OF SEQ ID NOS: 47

; SEQ ID NO 27

; LENGTH: 3007

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-193-562D-27

Query Match 97.9%; Score 267.4; DB 4; Length 3007;
Best Local Similarity 98.2%; Pred. No. 4.6e-73;
Matches 268; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1 GTTGAATCGACCCCAATGCGAGAGATGAACACTCATTCAACAAATAAAGGACATG 60
DB 155 GTTGAATCGACCCCAATGCGAGAGATGAACACTCATTCAACAAATAAAGGACATG 214
QY 61 GTGACCCAGGCATCTCTGATCTGTTGAAGCTACAGGAAGCGATTTTATTTCAAAAT 120
DB 215 GTGACCCAGGCATCTCTGATCTGTTGAAGCTACAGGAAGCGATTTTATTTCAAAAT 274
QY 121 GTTGCCATTTTCTGATCTCTGATCTGTTGAAGCTACAGGAAGCGATTTTATTTCAAAAT 180
DB 275 GTTGCCATTTTCTGATCTCTGATCTGTTGAAGCTACAGGAAGCGATTTTATTTCAAAAT 334
QY 181 GAGACCTACAAAATGCTGATCTCTGTTGCTGAGTCTANTCCTCCAGGNAATGATGAA 240
DB 335 GAGACCTACAAAATGCTGATCTCTGTTGCTGAGTCTANTCCTCCAGGNAATGATGAA 394
QY 241 CCTACACTGNGCAGATGGGCAACTGTGGCGAG 273
DB 395 CCTACACTGAGCAGATGGGCAACTGTGGGAG 427

RESULT 3

US-09-221-298-34

; Sequence 34, Application US/09221298

; Patent No. 6284241

; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun

; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY AND DIAGNOSIS

; FILE REFERENCE: 210121.471

; CURRENT APPLICATION NUMBER: US/09/221,298

; CURRENT FILING DATE: 1998-12-23

; NUMBER OF SEQ ID NOS: 112

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 34

; LENGTH: 401

; TYPE: DNA

; ORGANISM: Human

US-09-221-298-34

Query Match 89.9%; Score 245.4; DB 3; Length 401;
Best Local Similarity 97.5%; Pred. No. 1.3e-66;
Matches 268; Conservative 0; Mismatches 5; Indels 2; Gaps 2;

QY 1 GTTGAATCGACCCCAATGCGAGAGATGAACACTCATTCAACAAATAAAGGACATG 60
DB 25 GTTGAATCGACCCCAATGCGAGAGATGAACACTCATTCAACAAATAAAGGACATG 84
QY 61 GTGACCCAGGCATCTCTGATCTGTTGAAGCTACAGGAAGCGATTTTATTTCAAAAT 120
DB 85 GTGACCCAGGCATCTCTGATCTGTTGAAGCTACAGGAAGCGATTTTATTTCAAAAT 144
QY 121 GTTGCCATTTTCTGATCTCTGATCTGTTGAAGCTACAGGAAGCGATTTTATTTCAAAAT 180
DB 145 GTTGCCATTTTCTGATCTCTGATCTGTTGAAGCTACAGGAAGCGATTTTATTTCAAAAT 204
QY 181 GAGACCTACAAAATGCTGATCTGTTGCTGAGTCTANTCCTCCAGGNAATGATGAA 239
DB 205 GAGACCTACAAAATGCTGATCTGTTGCTGAGTCTANTCCTCCAGGNAATGATGAA 264
QY 240 ACCCTACACTGNGCAGATGGGCAACTGTGGGAG 273
DB 265 ACCCTACACTGAGCAGATGGGCAACTGTGGGAG 299

RESULT 4

US-09-401-064-34

; Sequence 34, Application US/09401064

; Patent No. 6623923

; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun

; APPLICANT: Lodes, Michael J.

; APPLICANT: Secrist, Heather

; APPLICANT: Benson, Darin R.

; APPLICANT: Meagher, Madeline Joy

; APPLICANT: Stoik, John A.

; APPLICANT: Wang, Tonglong

; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND

; FILE REFERENCE: 210121.471C2

; CURRENT APPLICATION NUMBER: US/09/401,064

; CURRENT FILING DATE: 1999-09-22

; NUMBER OF SEQ ID NOS: 371

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 34

; LENGTH: 401

; TYPE: DNA

; ORGANISM: Homo sapien

US-09-401-064-34

Query Match 89.9%; Score 245.4; DB 4; Length 401;
Best Local Similarity 97.5%; Pred. No. 1.3e-66;
Matches 268; Conservative 0; Mismatches 5; Indels 2; Gaps 2;

QY 1 GTTGAATCGACCCCAATGCGAGAGATGAACACTCATTCAACAAATAAAGGACATG 60
DB 25 GTTGAATCGACCCCAATGCGAGAGATGAACACTCATTCAACAAATAAAGGACATG 84
QY 61 GTGACCCAGGCATCTCTGATCTGTTGAAGCTACAGGAAGCGATTTTATTTCAAAAT 120

Db 85 GTGACCCAGGCATCTCTGTATCTGTTGAAGCTACAGGAAGCGATTTTATTTCAAAAT 144
QY 121 GTTGCCATTTTGTATTCCTGAACATGGAAGCAAAAGGNTGACTATGTGAGACCAAACTT 180
Db 145 GTTGCCATTTTGTATTCCTGAACATGGAAGCAAAAGGCTGACTATGTGAGACCAAACTT 204
QY 181 GAGACCTACAAATGCTGATCTTCTGTTGC-TGAGTCTANTCTCCAGGNAATGATGA 239
Db 205 GAGACCTACAAATGCTGATCTTCTGTTGC-TGAGTCTANTCTCCAGGNAATGATGA 264
QY 240 ACCCTACACTGNGCAGAT-GGSCAACTGTGGCGAG 273
Db 285 ACCCTACACTGAGCAGATGGGGCAACTGTGGAGAG 299

RESULT 5

US-09-623-624-1
; Sequence 1, Application US/09623624
; Patent No. 6576434
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/09/623,624
; CURRENT FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
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; PRIOR APPLICATION NUMBER: US 08/697,472
; PRIOR FILING DATE: 1996-08-23
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; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,110
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,168
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/980,872
; PRIOR FILING DATE: 1997-12-01
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 2931
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (8)..(2746)
US-09-623-624-1

Query Match 66.7%; Score 182.2; DB 4; Length 2931;
Best Local Similarity 79.0%; Pred. No. 1e-46; 57; Indels 0; Gaps 0;
Matches 214; Conservative 0; Mismatches 57; Indels 0; Gaps 0;
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Db 117 TCGCCATAGACACGACGTCGGGAGATGAAGCCCTCATTTCAACATAAAGGACATGG 176
QY 62 TGACCCAGGCATCTCTGTATCTGTTGAAGCTACAGGAAGCGATTTTATTTCAAAATG 121
Db 177 TGACTCAGGCCCTCTCCATACCTGTTTGAAGCTACAGGAAGCGATTTTACTTTCAAAATG 236

QY 122 TTGCCATTTTGTATTCCTGAACATGGAAGCAAAAGGNTGACTATGTGAGACCAAACTTG 181
Db 237 TTGCCATTTTGTATTCCTGAAGAGCTGGAAGGCAAAAGCCTGAATATACGAGCCCAAACTTG 296
QY 182 AGACCTACAAATGCTGATCTTCTGTTGC-TGAGTCTANTCTCCAGGNAATGATGAAC 241
Db 297 AAACCTTCAAAAGCCTGATGTCTTGTATCAACCAAGCCCTCTAGGCAATGATGAGC 356
QY 242 CCTACACTGNGCAGATGGGCAACTGTGGCGA 272
Db 357 CCTACACCGAATATAGGACATGTGGAGA 387

RESULT 6

US-09-049-698-16
; Sequence 16, Application US/09049698
; Patent No. 6368792
; GENERAL INFORMATION:
; APPLICANT: BILLING-MEDEL, PATRICIA A.
; APPLICANT: COHEN, MAURICE
; APPLICANT: COLPITTS, TRACEY L.
; APPLICANT: FRIEDMAN, PAULA N.
; APPLICANT: HAYDEN, MARK
; APPLICANT: KLASS, MICHAEL R.
; APPLICANT: ROBERTS-RAPP, LISA
; APPLICANT: RUSSELL, JOHN C.
; APPLICANT: STROUPE, STEPHEN D.
; TITLE OF INVENTION: REAGENTS AND METHODS FOR THE
; TITLE OF INVENTION: USEFUL FOR DETECTING DISEASES OF THE GASTROINTESTINAL
; TITLE OF INVENTION: TRACT
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESS: Abbott Laboratories
; STREET: 100 Abbott Park Road
; CITY: Abbott Park
; STATE: IL
; COUNTRY: USA
; ZIP: 60064-3500
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible,
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/049,698
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/828,856
; FILING DATE: 31-MAR-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Becker, Cheryl L.
; REGISTRATION NUMBER: 35,441
; REFERENCE/DOCKET NUMBER: 6068.US.P1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 847/935-1729
; TELEFAX: 847/938-2623
; TELEX:
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3043 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-09-049-698-16

Query Match 55.4%; Score 151.2; DB 4; Length 3043;
Best Local Similarity 71.7%; Pred. No. 4e-37;
Matches 195; Conservative 0; Mismatches 77; Indels 0; Gaps 0;
QY 2 TTGCAATCGACCCCAATGTGCCAGAGATGAACACTCATTTCAACAAATAAAGGACATGG 61

Db 120 TTGTTATAGATCTAGTGTGCCAGAGATGAAAAAATAATTGAACAAATAGAGGATATGG 179
QY 62 TGACCCAGGCACTCTGTATCTGTTGAAGCTACAGGAAAGCGATTTTATTTCAAAAATG 121
Db 180 TGACTACAGCTTCTAGTACCTGTTTGAAGCCACAGAAAAAAGATTTTTTTTCAAAAATG 239
QY 122 TTGCCATTTGATCTCTGAAACATGGAAGACAAAGGNTGACTATGTGAGACCAAAATG 181
Db 240 TATCTATATTATCTGAGANTTGAAGGAAATCTCAGTACAAAAGGCCAAACATG 299
QY 182 AGACTACAAAATGCTGATGTTCTGGTTCTGTGAGTCTANTCTCCAGGNAATGATGAAC 241
Db 300 AAAACCATAAACATGCTGATGTTATAGTTGCACCACTACACTCCAGGTAGAGATGAAC 359
QY 242 CCTACACTGNGCAGATGGCACTCTGGCGAG 273
Db 360 CATACACCAAGCAGTTCACAGAATGTGGAGAG 391

RESULT 7

US-09-049-698-18
; Sequence 18, Application US/09049698
; Patent No. 6368792
; GENERAL INFORMATION:
; APPLICANT: BILLING-MEDEL, PATRICIA A.
; APPLICANT: COHEN, MAURICE
; APPLICANT: COLPITTS, TRACEY L.
; APPLICANT: FRIEDMAN, PAULA N.
; APPLICANT: HAYDEN, MARK
; APPLICANT: KLASS, MICHAEL R.
; APPLICANT: ROBERTS-RAPP, LISA
; APPLICANT: RUSSELL, JOHN C.
; APPLICANT: STROUPE, STEPHEN D.
; TITLE OF INVENTION: REAGENTS AND METHODS FOR THE
; TITLE OF INVENTION: USEFUL FOR DETECTING DISEASES OF THE GASTROINTESTINAL
; TITLE OF INVENTION: TRACT
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Abbott Laboratories
; STREET: 100 Abbott Park Road
; CITY: Abbott Park
; STATE: IL
; COUNTRY: USA
; ZIP: 60064-3500
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/049,698
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/828,856
; FILING DATE: 31-MAR-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Becker, Cheryl L.
; REGISTRATION NUMBER: 35,441
; REFERENCE/DOCKET NUMBER: 6068.US.P1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 847/935-1729
; TELEFAX: 847/938-2623
; TELEX:
; INFORMATION FOR SEQ ID NO: 18:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3181 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-09-049-698-18

Query Match 55.4%; Score 151.2; DB 4; Length 3181;

Best Local Similarity 71.7%; Pred. No. 4.1e-37;
Matches 195; Conservative 0; Mismatches 77; Indels 0; Gaps 0;
QY 2 TTGCAATCGACCCCAATGTGCCAGAGATGAAACACTCATTCACAAATAAAGGACATGG 61
Db 131 TTGTTATAGATCTAGTGTGCCAGAGATGAAAAAATAATTGAACAAATAGAGGATATGG 190
QY 62 TGACCCAGGCACTCTGTATCTGTTTGAAGCTACAGGAAAGCGATTTTATTTCAAAAATG 121
Db 191 TGACTACAGCTTCTAGTACCTGTTTGAAGCCACAGAAAAAAGATTTTTTTTCAAAAATG 250
QY 122 TTGCCATTTGATCTCTGAAACATGGAAGACAAAGGNTGACTATGTGAGACCAAAATG 181
Db 251 TATCTATATTATTTCTGAGAAATTTGAAGGAAATCTCAGTACAAAAGGCCAAACATG 310
QY 182 AGACTACAAAATGCTGATGTTCTGGTTCTGTGAGTCTANTCTCCAGGNAATGATGAAC 241
Db 311 AAAACCATAAACATGCTGATGTTATAGTTGCACCACTACACTCCAGGTAGAGATGAAC 370
QY 242 CCTACACTGNGCAGATGGCACTCTGGCGAG 273
Db 371 CATACACCAAGCAGTTCACAGAATGTGGAGAG 402

RESULT 8

US-09-193-562D-1
; Sequence 1, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedict U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; CURRENT FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 1
; LENGTH: 3317
; TYPE: DNA
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: sequence encoding Lu-ECAM-1 and Lu-ECAM-1 associated
; OTHER INFORMATION: protein from bovine endothelial cells
US-09-193-562D-1

Query Match 45.6%; Score 124.6; DB 4; Length 3317;
Best Local Similarity 65.7%; Pred. No. 7e-29;
Matches 178; Conservative 0; Mismatches 93; Indels 0; Gaps 0;
QY 2 TTGCAATCGACCCCAATGTGCCAGAGATGAAACACTCATTCACAAATAAAGGACATGG 61
Db 169 TTGCAATTAACCCAGTGTGCCAGAGATGAAAAACTCATTTGAAAAACATAAAGGAAATGG 228
QY 62 TGACCCAGGCACTCTGTATCTGTTTGAAGCTACAGGAAAGCGATTTTATTTCAAAAATG 121
Db 229 TAACTGAAAGCTTCTACTTACCTGTTTCATGCCACCAACGAGAGATTTATTTTCAAGAAATG 288
QY 122 TTGCCATTTGATCTCTGAAACATGGAAGACAAAGGNTGACTATGTGAGACCAAAATG 181
Db 289 TGAGCATTTTAAATCCCAATGACCTGGAAATCAAAATCTGAGTACTTATACCAAAACAG 348
QY 182 AGACTACAAAATGCTGATGTTCTGGTTCTGTGAGTCTANTCTCCAGGNAATGATGAAC 241
Db 349 AATCATATGACCAAGCAGATGTCATAGTTGCTAATCCCTATCCCTATCAAAAATATGGAGATGATC 408
QY 242 CCTACACTGNGCAGATGGCACTCTGGCGAG 272
Db 409 CCTATACACTTCAATATGAAAGGTGTGGAGA 439

RESULT 9

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US-09-193-562D-29
; Sequence 29, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; CURRENT FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 29
; LENGTH: 3418
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-193-562D-29

Query Match 43.9%; Score 119.8; DB 4; Length 3418;
Best Local Similarity 64.6%; Pred. No. 2.2e-27;
Matches 175; Conservative 0; Mismatches 96; Indels 0; Gaps 0;

QY 2 TTGCAATGACCCCAATGTCGAGAGATGAACACTTCAACAAATAAAGGACATGG 61
DB 125 TTGCAATTAATCCCAATGTCACCAAGATGAATAAATCAATCAAAACATAAAGGAAATGG 184
QY 62 TGACCCAGGCACTCTGTATCTGTTTGAAGCTACAGGAAGCGATTTTATTTCAAAAAATG 121
DB 185 TAACTGAAGCACTACTCACTGTTTCATGTCACCAACAAAGAGCTTTATTCAGGAATG 244
QY 122 TTGCCATTTGATTTCTCGAAACATGGAAGCAAAAGGNTGACTATGTGAGACCAAACTTG 181
DB 245 TAAAGCATTTTAATTCCAATGACTCAAAATCAAATCTGAGTACTTAATCCCAAAACAAG 304
QY 182 AGACCTACAAAATGCTGATGTTCTGGTTCGAGTCTANTCTCCAGGNAATGATGAAC 241
DB 305 AAACATATGACCAAGCAGATGTCATAGTTGCTGATCTTTACCTGAAATACGGAGATGATC 364
QY 242 CCTACACTGNGCAGATGGGCAACTGTGGCGA 272
DB 365 CCTATACATTCATATGGACATGTGGAGA 395

RESULT 10
US-09-193-562D-33
; Sequence 33, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; CURRENT FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 33
; LENGTH: 3022
; TYPE: DNA
; ORGANISM: Mus musculus
US-09-193-562D-33

Query Match 41.5%; Score 113.4; DB 4; Length 3022;
Best Local Similarity 63.1%; Pred. No. 2e-25;
Matches 171; Conservative 0; Mismatches 100; Indels 0; Gaps 0;

QY 2 TTGCAATGACCCCAATGTCGAGAGATGAACACTTCAACAAATAAAGGACATGG 61
DB 124 TTGCAATTAATCCCAATGTCACCAAGATGAATAAATCAATCAAAACATAAAGGAAATGG 183
QY 62 TGACCCAGGCACTCTGTATCTGTTTGAAGCTACAGGAAGCGATTTTATTTCAAAAAATG 121

Db 184 TAACTCAAGCTTCTACCTACCTGTTTGAAGCCAGCAAGAGTTTATTTTCAGGAACA 243
QY 122 TTGCCATTTTGAATCTCTGAAACATGGAAGCAAAAGGNTGACTATGTGAGACCAAACTTG 181
DB 244 TAAAGCATATTAGTCCGATGACTGGAATCGAAATCTGAGTACTTAATGCCCCAAACGAG 303
QY 182 AGACCTACAAAATGCTGATGTTCTGGTTCGAGTCTANTCTCCAGGNAATGATGAAC 241
DB 304 AATCGTAGCAAAAGCAGACGTCATAGTTGCGGATCCTCACCTGCAACATGGAGACGACC 363
QY 242 CCTACACTGNGCAGATGGGCAACTGTGGCGA 272
DB 364 CCTACACCTTCAGTATGGACAGTGTGGGA 394

RESULT 11
US-09-016-434-290
; Sequence 290, Application US/09016434
; Patent No. 6500938
; GENERAL INFORMATION:
; APPLICANT: Janice Au-Young
; APPLICANT: Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING
; TITLE OF INVENTION: PATHWAY GENE EXPRESSION
; NUMBER OF SEQUENCES: 1490
; CORRESPONDENCE ADDRESS:
; ADDRESSES: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/016,434
; FILING DATE: HERewith
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Zeller, Karen J.
; REGISTRATION NUMBER: 37,071
; REFERENCE/DOCKET NUMBER: PA-0002 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 290:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 232 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: COLNROT22
; CLONE: 173775
; US-09-016-434-290

Query Match 33.3%; Score 91; DB 4; Length 232;
Best Local Similarity 100.0%; Pred. No. 5.9e-19;
Matches 91; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTTGAATCGACCCCAATGTCGAGAGATGAACACTTCAACAAATAAAGGACATG 60
DB 142 GTTGAATCGACCCCAATGTCGAGAGATGAACACTTCAACAAATAAAGGACATG 201
QY 61 GTGACCCAGGCACTCTCTGTATCTGTTTGAAG 91
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|||||
Db 202 GTGACCCAGGCATCTCTGTATCTGTTGAAG 232

RESULT 12

US-09-643-597-358

; Sequence 358, Application US/09643597

; Patent No. 6426072

; GENERAL INFORMATION:

; APPLICANT: Wang, Tongtong

; APPLICANT: Fan, Liqun

; APPLICANT: Kalos, Michael D.

; APPLICANT: Bangur, Chaitanya S.

; APPLICANT: Hosken, Nancy

; APPLICANT: Fanger, Gary R.

; APPLICANT: Li, Samuel X.

; APPLICANT: Wang, Aijun

; APPLICANT: Skeiky, Yasir A.W.

; APPLICANT: Henderson, Robert A.

; APPLICANT: McNeill, Patricia D.

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

; FILE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER

; FILE REFERENCE: 210121.455C11

; CURRENT APPLICATION NUMBER: US/09/643,597

; CURRENT FILING DATE: 2000-08-21

; NUMBER OF SEQ ID NOS: 369

; SOFTWARE: FastSEQ for Windows Version 3.0

; SEQ ID NO 358

; LENGTH: 2773

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-643-597-358

Query Match

27.5%; Score 75.2; DB 4; Length 2773;

Best Local Similarity 57.1%; Pred. No. 1.2e-13;

Matches 153; Conservative 0; Mismatches 112; Indels 3; Gaps 1;

QY 2 TTGCAATCGACCCCAATGTGCCAGAGATGAACACTCATTTCAACAAATAAAGGACATGG 61

Db 68 TTGCAATTAATCCTCAGGTACTCTGAGATCAGAACCTCATCTCAACATTAAGGAATGA 127

QY 62 TGACCCAGGCATCTCTGTATCTGTTGAAGCTACAGGAAGCGATTTTATTTCAAAAATG 121

Db 128 TAACTGAAGCTTCATTTTACCTATTATTAATGCTACCAAGAGAGATTTTTCAGAAATA 187

QY 122 TTGCCATTTGATTCCTGAAACATGGAAGCAAAAGTACTGTGAGACCAAACTTG 181

Db 188 TAAAGATTTTATACCTGCCACATGGAAGCTTAATAAATAC---AGCAAAATAAACAAG 244

QY 182 AGACCTACAAAATCTGTATCTGTTGCTGTGCTGAGTCTANTCTCCAGGNAATGATGAAC 241

Db 245 AATCATATGAAGAAGCAATGTCATAGTACTGATGTTGTTGGTATGGGGCACATGGAGATGATC 304

QY 242 CCTACACTGNGCAGATGGCACTGTGG 269

Db 305 CATACACCTACAATACAGAGGTTGG 332

RESULT 13

US-09-643-597-168

; Sequence 168, Application US/09643597

; Patent No. 6426072

; GENERAL INFORMATION:

; APPLICANT: Wang, Tongtong

; APPLICANT: Fan, Liqun

; APPLICANT: Kalos, Michael D.

; APPLICANT: Bangur, Chaitanya S.

; APPLICANT: Hosken, Nancy

; APPLICANT: Fanger, Gary R.

; APPLICANT: Li, Samuel X.

; APPLICANT: Wang, Aijun

; APPLICANT: Skeiky, Yasir A.W.

; APPLICANT: Henderson, Robert A.

; APPLICANT: McNeill, Patricia D.

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

; FILE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER

; FILE REFERENCE: 210121.455C11

; CURRENT APPLICATION NUMBER: US/09/643,597

; CURRENT FILING DATE: 2000-08-21

; NUMBER OF SEQ ID NOS: 369

; SOFTWARE: FastSEQ for Windows Version 3.0

; SEQ ID NO 168

; LENGTH: 2784

; TYPE: DNA

; ORGANISM: Homo sapien

US-09-643-597-168

Query Match 27.5%; Score 75.2; DB 4; Length 2784;

Best Local Similarity 57.1%; Pred. No. 1.2e-13;

Matches 153; Conservative 0; Mismatches 112; Indels 3; Gaps 1;

QY 2 TTGCAATCGACCCCAATGTGCCAGAGATGAACACTCATTTCAACAAATAAAGGACATGG 61

Db 210 TTGCAATTAATCCTCAGGTACTCTGAGATCAGAACCTCATCTCAACATTAAGGAATGA 269

QY 62 TGACCCAGGCATCTCTGTATCTGTTGAAGCTACAGGAAGCGATTTTATTTCAAAAATG 121

Db 270 TAACTGAAGCTTCATTTTACCTATTATTAATGCTACCAAGAGAGATTTTTCAGAAATA 329

QY 122 TTGCCATTTGATTCCTGAAACATGGAAGCAAAAGTACTGTGAGACCAAACTTG 181

Db 330 TAAAGATTTTAAATACCTGCCACATGGAAGCTTAATAAATAC---AGCAAAATAAACAAG 386

QY 182 AGACCTACAAAATCTGTATCTGTTGCTGTGCTGAGTCTANTCTCCAGGNAATGATGAAC 241

Db 387 AATCATATGAAGAAGCAAAATGTCATAGTACTGATGTTGTTGGTATGGGGCACATGGAGATGATC 446

QY 242 CCTACACTGNGCAGATGGCACTGTGG 269

Db 447 CATACACCTACAATACAGAGGTTGG 474

RESULT 14

US-09-480-884A-168

; Sequence 168, Application US/09480884A

; Patent No. 6482597

; GENERAL INFORMATION:

; APPLICANT: Wang, Tongtong

; APPLICANT: Fan, Liqun

; APPLICANT: Hosken, Nancy A.

; APPLICANT: Kalos, Michael D.

; APPLICANT: Fanger, Gary R.

; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY

; FILE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER

; FILE REFERENCE: 210121.455C6

; CURRENT APPLICATION NUMBER: US/09/480,884A

; CURRENT FILING DATE: 2001-08-27

; NUMBER OF SEQ ID NOS: 330

; SOFTWARE: FastSEQ for Windows Version 3.0

; SEQ ID NO 168

; LENGTH: 2784

; TYPE: DNA

; ORGANISM: Homo sapien

US-09-480-884A-168

Query Match 27.5%; Score 75.2; DB 4; Length 2784;

Best Local Similarity 57.1%; Pred. No. 1.2e-13;

Matches 153; Conservative 0; Mismatches 112; Indels 3; Gaps 1;

QY 2 TTGCAATCGACCCCAATGTGCCAGAGATGAACACTCATTTCAACAAATAAAGGACATGG 61

Db 210 TTGCAATTAATCCTCAGGTACTCTGAGATCAGAACCTCATCTCAACATTAAGGAATGA 269

QY 62 TGACCCAGGCATCTCTGTATCTGTTGAAGCTACAGGAAGCGATTTTATTTCAAAAATG 121

Db 270 TAACTGAAGCTTCATTTTACCTATTATTAATGCTACCAAGAGAGATTTTTCAGAAATA 329

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OM nucleic - protein search, using frame_plus_n2p model

Run on: April 21, 2004, 16:13:49 ; Search time 39.304 Seconds

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Title: US-09-049-696-2

Perfect score: 471

Sequence: 1 GTTGCAATGACCCCAATGT.....AGATGGCAACTGTGTGGCGAG 273

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Ygapop 10.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 1133595 seqs, 276475211 residues

Total number of hits satisfying chosen parameters: 2267190

Minimum DB seq length: 0

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Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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-LONGLOG -DEV_TIMEOUT=120 -WARN_TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5
-FGAPOP=6 -FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

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- 3: /cgn2_6/prodata/2/pubpaa/US06_NEW_PUB.pap.*
- 4: /cgn2_6/prodata/2/pubpaa/US06_PUBCOMB.pap.*
- 5: /cgn2_6/prodata/2/pubpaa/US07_NEW_PUB.pap.*
- 6: /cgn2_6/prodata/2/pubpaa/PCTUS_PUBCOMB.pap.*
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- 8: /cgn2_6/prodata/2/pubpaa/US08_PUBCOMB.pap.*
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- 11: /cgn2_6/prodata/2/pubpaa/US09C_PUBCOMB.pap.*
- 12: /cgn2_6/prodata/2/pubpaa/US09_NEW_PUB.pap.*
- 13: /cgn2_6/prodata/2/pubpaa/US10A_PUBCOMB.pap.*
- 14: /cgn2_6/prodata/2/pubpaa/US10B_PUBCOMB.pap.*
- 15: /cgn2_6/prodata/2/pubpaa/US10C_PUBCOMB.pap.*
- 16: /cgn2_6/prodata/2/pubpaa/US10_NEW_PUB.pap.*
- 17: /cgn2_6/prodata/2/pubpaa/US60_NEW_PUB.pap.*
- 18: /cgn2_6/prodata/2/pubpaa/US60_PUBCOMB.pap.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description

1	465	98.7	914	9	US-09-823-356-8	Sequence 8, Appli
2	465	98.7	914	9	US-09-922-217-1066	Sequence 1066, Ap
3	465	98.7	914	9	US-09-833-263-1066	Sequence 1066, Ap
4	465	98.7	914	9	US-09-981-353-192	Sequence 192, App
5	465	98.7	914	11	US-09-833-245-2054	Sequence 2054, Ap
6	465	98.7	914	13	US-10-025-380-1066	Sequence 1066, Ap
7	465	98.7	914	14	US-10-055-412B-28	Sequence 28, Appl
8	465	98.7	914	14	US-10-270-595-6	Sequence 6, Appl
9	465	98.7	914	14	US-10-235-994-26	Sequence 26, Appl
10	465	98.7	914	14	US-10-060-255-42	Sequence 42, Appl
11	465	98.7	914	15	US-10-369-214-133	Sequence 133, App
12	465	98.7	925	9	US-09-764-868-635	Sequence 635, App
13	465	98.7	925	14	US-10-106-698-6248	Sequence 6248, Ap
14	371	78.8	913	14	US-10-270-595-2	Sequence 2, Appl
15	371	78.8	913	15	US-10-369-214-132	Sequence 132, App
16	361	76.6	869	14	US-10-106-698-6388	Sequence 6388, Ap
17	314	66.7	917	9	US-09-981-353-54	Sequence 54, Appl
18	314	66.7	917	13	US-10-025-167-41	Sequence 41, Appl
19	314	66.7	917	14	US-10-235-994-16	Sequence 16, Appl
20	314	66.7	917	14	US-10-345-680-32	Sequence 32, Appl
21	314	66.7	917	15	US-10-369-214-134	Sequence 134, App
22	314	66.7	917	15	US-10-087-080-34	Sequence 34, Appl
23	314	66.7	919	9	US-09-989-722-379	Sequence 379, App
24	314	66.7	919	9	US-09-989-723-379	Sequence 379, App
25	314	66.7	919	9	US-09-989-727-379	Sequence 379, App
26	314	66.7	919	9	US-09-989-731-379	Sequence 379, App
27	314	66.7	919	9	US-09-989-732-379	Sequence 379, App
28	314	66.7	919	9	US-09-989-733-379	Sequence 379, App
29	314	66.7	919	9	US-09-991-073-379	Sequence 379, App
30	314	66.7	919	9	US-09-990-442-379	Sequence 379, App
31	314	66.7	919	9	US-09-991-163-379	Sequence 379, App
32	314	66.7	919	9	US-09-993-604-379	Sequence 379, App
33	314	66.7	919	9	US-09-990-456-379	Sequence 379, App
34	314	66.7	919	9	US-09-989-721-379	Sequence 379, App
35	314	66.7	919	9	US-09-992-598-379	Sequence 379, App
36	314	66.7	919	9	US-09-989-735-379	Sequence 379, App
37	314	66.7	919	9	US-09-990-444-379	Sequence 379, App
38	314	66.7	919	9	US-09-991-181-379	Sequence 379, App
39	314	66.7	919	9	US-09-989-730-379	Sequence 379, App
40	314	66.7	919	9	US-09-990-436-379	Sequence 379, App
41	314	66.7	919	9	US-09-993-687-379	Sequence 379, App
42	314	66.7	919	10	US-09-989-734-379	Sequence 379, App
43	314	66.7	919	10	US-09-997-653-379	Sequence 379, App
44	314	66.7	919	10	US-09-993-667-379	Sequence 379, App
45	314	66.7	919	10	US-09-993-667-379	Sequence 379, App

ALIGNMENTS

RESULT 1

US-09-823-356-8

; Sequence 8, Application US/09823356

; Patent No. US20010025098A1

; GENERAL INFORMATION:

; APPLICANT: Tang, Y. Tom

; APPLICANT: Bandman, Olga

; APPLICANT: Lal, Preeti

; APPLICANT: Hillman, Jennifer L.

; APPLICANT: Yue, Henry

; APPLICANT: Corley, Neil C.

; APPLICANT: Guegler, Karl J.

; APPLICANT: Kaser, Matthew R.

; APPLICANT: Baughn, Mariah R.

; APPLICANT: Shah, Purvi

; TITLE OF INVENTION: HUMAN MEMBRANE SPANNING PROTEINS

; FILE REFERENCE: PF-0489-1 CON

; CURRENT APPLICATION NUMBER: US/09/823,356

; CURRENT FILING DATE: 2001-03-30

; PRIOR APPLICATION NUMBER: 09/039,307

; PRIOR FILING DATE: 1998 March 13

; NUMBER OF SEQ ID NOS: 34

; SOFTWARE: PERL Program

; SEQ ID NO 8

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; LENGTH: 914
;
; TYPE: PRT
; ORGANISM: Homo sapiens
;
; FEATURE:
;
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20010025098A1 1737775
US-09-823-356-8

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Alignment Scores:		
Pred. No.:	2.59e-52	914
Score:	485.00	Matches: 88
Percent Similarity:	96.70%	Conservative: 0
Best Local Similarity:	96.70%	Mismatches: 3
Query Match:	98.73%	Indels: 0
DB:	9	Gaps: 0

US-09-049-696-2 (1-273) X US-09-823-356-8 (1-914)

Qy	1	GTTCGAATCGACCCCATGTGCCAGAGATGAACACTCATTCAACAATAAGGACATG	60
Db	37	ValAlaIleAspProAsnValProGluAspGluThrLeuIleGlnGlnIleLysAspMet	56
Qy	61	GTGACCCAGCATCTCTGATCTGTTTCAAGCTACAGGAAGCGATTTTATTTCAAAAAT	120
Db	57	ValThrGlnAlaSerLeuTyrLeuPheGluAlaThrGlyLysAspPheTyrPheLysAsn	76
Qy	121	GTTCGCATTTTGATTCCTGAAACATGGAAGCAAGAGNVTGACTATGTGAGACCAAACTT	180
Db	77	ValAlaIleLeuIleProGluThrTrpLysThrLysAlaAspTyrValArgProLysLeu	96
Qy	181	GAGACCTCAAAAATCGTGATGTTCTGCTCGTCTGAGTCTANTCTCCAGCAGNATGATGAA	240
Db	97	GluThrTyrLysAsnAlaAspValLeuValAlaGluSerThrProProGlyAsnAspGlu	116
Qy	241	CCCTACACTGNCAGATGGCAACTGTGGCGAG	273
Db	117	ProTyrThrGluGlnMetGlyAsnCysGlyGlu	127

RESULT 2

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US-09-922-217-1066
; Sequence 1066, Application US/09922217
; Patent No. US20020076414A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather
; APPLICANT: Benson, Darin R.
; APPLICANT: Meagher, Madeleine Joy
; APPLICANT: Stolk, John A.
; APPLICANT: Wang, Tongtong
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Smith, Carole Lynn
; APPLICANT: King, Gordon E.
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; TITLE OF INVENTION: OF COLON CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121-471C13
; CURRENT APPLICATION NUMBER: US/09/922,217
; CURRENT FILING DATE: 2001-08-03
; NUMBER OF SEQ ID NOS: 1124
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1066
; LENGTH: 914
; TYPE: PRNT
; ORGANISM: Homo sapiens
US-09-922-217-1066

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Alignment Scores:	
Pred. No.:	2,59e-52
Score:	465.00
Percent Similarity:	96.70%
Best Local Similarity:	96.70%
Length:	914
Matches:	88
Conservative:	0
Mismatches:	3

Query Match:	98.73%	Indels:	0
DB:	9	Gaps:	0
US-09-049-696-2 (1-273) x US-09-922-217-1066 (1-914)			
QY	1	GTGGCAATCGACCCCAATGTCCAGAGATGAACACACTCATTCAACAAATAAAGGCATG	60
Db	37	ValAlaIleAspProAsnValProGluAspGluThrLeuIleGlnIleLysAspMet	56
QY	61	GTGACCCAGGCATCTCTGTATCTGTTTGAAGTACAGGAAAGCGATTTTATTTCAAAAAT	120
Db	57	ValThrGlnAlaSerLeuTyLeuPheGluAlaThrGlyLysArgPheTyPheLysAsn	76
QY	121	GTGGCAATTTCATTCTCTGAACATCGAGAGCAAAAGNTGACTATGTGACACCAAAACTT	180
Db	77	ValAlaIleLeuIleProGluThrTrpLysThrLysAlaAspTyValArgProLysLeu	96
QY	181	GAGACCTCAAAAAATGCTGATGTTCTGGTCTGCTGAGTCTANTCTCCAGCAGNAATGATGAA	240
Db	97	GluThrTyLysAsnAlaAspValLeuValAlaGluSerThrProProGlyAsnAspGlu	116
QY	241	CCCTACACTGNGCAGATGGGCAACTGTGGCGAG	273
Db	117	ProTyThrGluGlnMetGlyAsnCysGlyGlu	127

RESULT 3

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US-09-833-263-1066
; Sequence 1066, Application US/09833263
; Patent No. US20020110547A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; APPLICANT: Stolk, John A.
; APPLICANT: Meagher, Madeleine J.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF COLON CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.471C12
; CURRENT APPLICATION NUMBER: US/09/833.263
; CURRENT FILING DATE: 2001-04-10
; NUMBER OF SEQ ID NOS: 1093
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1066
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-833-263-1066

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Alignment Scores:		
Pred. No.:	2,59e-52	914
Score:	465.00	Length:
Percent Similarity:	96.70%	Matches: 88
Best Local Similarity:	96.70%	Conservative: 0
Query Match:	98.73%	Mismatches: 3
Dp:	9	Indels: 0
		Gaps: 0

11S-09-049-696-2 (1-273) x 11S-09-833-263-1066 (1-914)

Qy	1	GTGGCAATCGACCCCAATGTGCCAGAGATGAACACATCATTCACAAATAAAGGACATG	60
Db	37	ValAlaIleAspProAsnValProGluAspGluThrLeuIleGlnGlnIleLysAspMet	56
Qy	61	GTGACCCAGGCATCTCTGTATCTGTTTCAAGCTACAGGAAGCGCATTTTATTTCCAAAAT	120
Db	57	ValThrGlnAlaSerLeuTyLeuPheGluAlaThrGlyLysArgPheTyPheLysAsn	76
Qy	121	GTGGCAATTTTCATTCCTGAAACATGGAAGACAAAGGNTGACTATGTGAGACACAAAACTT	180
Db	77	ValAlaIleLeuIleProGluThrTrpLysThrLysAlaAspTyValArgProLysLeu	96
Qy	181	GAGACCTACAAAAATGCTGATGTCTGCTGCTGAGTCTANTCTCCAGNNAATGATGAA	240
Db	97	GluThrTyLeuAsnAlaAsnValLeuValAlaGluSerThrProProGlyAsnAspGlu	116

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QY 241 CCTACTGNGCAGATGGCACTGTGGCGAG 273
Db 117 ProTyrThrGluGlnMetGlyAsnGlyGlu 127

RESULT 4
US-09-981-353-192
; Sequence 192, Application US/09981353
; Patent No. US20020160382A1
; GENERAL INFORMATION:
; APPLICANT: Lasek, Amy W.
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0038 US
; CURRENT APPLICATION NUMBER: US/09/981,353
; NUMBER OF SEQ ID NOS: 194
; SOFTWARE: PERL Program
; SEQ ID NO 192
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20020160382A1 173775CD1
US-09-981-353-192

Alignment Scores:
Pred. No.: 2,59e-52 Length: 914
Score: 465.00 Matches: 88
Percent Similarity: 96.70% Conservative: 0
Best Local Similarity: 96.70% Mismatches: 3
Query Match: 98.73% Indels: 0
DB: 9 Gaps: 0

US-09-049-696-2 (1-273) x US-09-981-353-192 (1-914)
QY 1 GTTGAATCGACCCCAATGTGCAGAGATGAACACTCATTCAACAAATAAGGACATG 60
Db 37 ValAlaIleAspProAsnValProGluAspGluThrLeuIleGlnIleLysAspMet 56
QY 61 GTGACCCAGCATCTCTGTATCTGTTGAAGCTACAGAAAGCGATTTTATTTCAAAAAT 120
Db 57 ValThrGlnAlaSerLeuTyrLeuPheGluAlaThrGlyLysArgPheTyrPheLysAsn 76
QY 121 GTTGCCATTTGATTCCTGAAACATGGAACAAAGGNTGACTATGTGAGACCAAACTT 180
Db 77 ValAlaIleLeuIleProGluThrTrpLysThrLysAlaAspTyrValArgProLysLeu 96
QY 181 GAGACTCAAAAATGCTGATGTTCTGGTGTGCTGAGTCTANTCTCCAGNATGATGAA 240
Db 97 GluThrTyrLysAsnAlaAspValLeuValAlaGluSerThrProProGlyAsnAspGlu 116

RESULT 5
US-09-833-245-2054
; Sequence 2054, Application US/09833245
; Publication No. US2004001034A1
; GENERAL INFORMATION:
; APPLICANT: Human Genome Sciences, Inc.
; TITLE OF INVENTION: Albumin Fusion Proteins
; FILE REFERENCE: PFS46PCT
; CURRENT APPLICATION NUMBER: US/09/833,245
; CURRENT FILING DATE: 2001-04-12
; PRIOR APPLICATION NUMBER: 60/229,358
; PRIOR FILING DATE: 2000-04-12
; PRIOR APPLICATION NUMBER: 60/256,931
; PRIOR FILING DATE: 2000-12-21
; PRIOR APPLICATION NUMBER: 60/199,384
; PRIOR FILING DATE: 2000-04-25
; NUMBER OF SEQ ID NOS: 2267

US-09-833-245-2054
; Sequence 192, Application US/09981353
; Patent No. US20020160382A1
; GENERAL INFORMATION:
; APPLICANT: Jones, David A.
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0038 US
; CURRENT APPLICATION NUMBER: US/09/981,353
; NUMBER OF SEQ ID NOS: 194
; SOFTWARE: PERL Program
; SEQ ID NO 192
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20020160382A1 173775CD1
US-09-981-353-192

Alignment Scores:
Pred. No.: 2,59e-52 Length: 914
Score: 465.00 Matches: 88
Percent Similarity: 96.70% Conservative: 0
Best Local Similarity: 96.70% Mismatches: 3
Query Match: 98.73% Indels: 0
DB: 9 Gaps: 0

US-09-049-696-2 (1-273) x US-09-981-353-192 (1-914)
QY 1 GTTGAATCGACCCCAATGTGCAGAGATGAACACTCATTCAACAAATAAGGACATG 60
Db 37 ValAlaIleAspProAsnValProGluAspGluThrLeuIleGlnIleLysAspMet 56
QY 61 GTGACCCAGCATCTCTGTATCTGTTGAAGCTACAGAAAGCGATTTTATTTCAAAAAT 120
Db 57 ValThrGlnAlaSerLeuTyrLeuPheGluAlaThrGlyLysArgPheTyrPheLysAsn 76
QY 121 GTTGCCATTTGATTCCTGAAACATGGAACAAAGGNTGACTATGTGAGACCAAACTT 180
Db 77 ValAlaIleLeuIleProGluThrTrpLysThrLysAlaAspTyrValArgProLysLeu 96
QY 181 GAGACTCAAAAATGCTGATGTTCTGGTGTGCTGAGTCTANTCTCCAGNATGATGAA 240
Db 97 GluThrTyrLysAsnAlaAspValLeuValAlaGluSerThrProProGlyAsnAspGlu 116

RESULT 6
US-10-025-380-1066
; Sequence 1066, Application US/10025380
; Publication No. US20020182191A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather
; APPLICANT: Benson, Darin R.
; APPLICANT: Meagher, Madeleine Joy
; APPLICANT: Stoik, John A.
; APPLICANT: Wang, Tongtong
; APPLICANT: Jiang, Yugu
; APPLICANT: Smith, Carole L.
; APPLICANT: King, Gordon E.
; APPLICANT: Wang, Aljun
; APPLICANT: Clapper, Jonathan D.
; APPLICANT: Skeiky, Yasir A. W.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Vedvick Thomas S.
; APPLICANT: Carter, Darrick
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; FILE REFERENCE: 210121.471C14
; CURRENT APPLICATION NUMBER: US/10/025,380
; CURRENT FILING DATE: 2001-12-19
; NUMBER OF SEQ ID NOS: 1129
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1066
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-025-380-1066

Alignment Scores:
Pred. No.: 2,59e-52 Length: 914
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Score: 465.00 Matches: 88
Percent Similarity: 96.70% Conservative: 0
Best Local Similarity: 96.70% Mismatches: 3
Query Match: 98.73% Indels: 0
DB: 13 Gaps: 0

US-09-049-696-2 (1-273) x US-10-025-380-1066 (1-914)

QY 1 GTTGAATCGACCCCAATGTGCGAAGATGAAACACTCATTCAACAATAAAGGACATG 60
DB 37 ValAlaIleAspProAsnValProGluAspGluThrLeuIleGlnIleLysAspMet 56
QY 61 GTGACCCAGGCATCTCTGTATCTGTTGAAGCTACAGGAAAGCGATTTTATTTCAAAAT 120
DB 57 ValThrGlnAlaSerLeuThrLeuPheGluAlaThrGlyLysArgPheThrPheLysAsn 76
QY 121 GTTGCCATTTTGAATCTCTGAACATGGAAGAAAGGNTGACTATGTGAGACCAAACTT 180
DB 77 ValAlaIleLeuIleProGluThrTrpLysThrLysAlaAspTyrValArgProLysLeu 96
QY 181 GAGACCTACAAAATGCTGATGTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 240
DB 97 GluThrTyrlLysAsnAlaAspValLeuValAlaGluSerThrProProGlyAsnAspGlu 116
QY 241 CCTACTGNGCAGATGGGCAACTGTGCGAG 273
DB 117 ProTyrlThrGluGlnMetGlyAsnCysGlyGlu 127

RESULT 7

US-10-055-412B-28
; Sequence 28, Application US/10055412B
; Publication No. US20030059861A1
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedict U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0058
; CURRENT APPLICATION NUMBER: US/10/055,412B
; CURRENT FILING DATE: 2001-10-29
; PRIOR APPLICATION NUMBER: US/09/193,562
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 28
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-055-412B-28

Alignment Scores:
Pred. No.: 2,598-52 Length: 914
Score: 465.00 Matches: 88
Percent Similarity: 96.70% Conservative: 0
Best Local Similarity: 96.70% Mismatches: 3
Query Match: 98.73% Indels: 0
DB: 14 Gaps: 0

US-09-049-696-2 (1-273) x US-10-055-412B-28 (1-914)

QY 1 GTTGAATCGACCCCAATGTGCGAAGATGAAACACTCATTCAACAATAAAGGACATG 60
DB 37 ValAlaIleAspProAsnValProGluAspGluThrLeuIleGlnIleLysAspMet 56
QY 61 GTGACCCAGGCATCTCTGTATCTGTTGAAGCTACAGGAAAGCGATTTTATTTCAAAAT 120
DB 57 ValThrGlnAlaSerLeuThrLeuPheGluAlaThrGlyLysArgPheThrPheLysAsn 76
QY 121 GTTGCCATTTTGAATCTCTGAACATGGAAGAAAGGNTGACTATGTGAGACCAAACTT 180
DB 77 ValAlaIleLeuIleProGluThrTrpLysThrLysAlaAspTyrValArgProLysLeu 96
QY 181 GAGACCTACAAAATGCTGATGTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 240

DB 97 GluThrTyrlLysAsnAlaAspValLeuValAlaGluSerThrProProGlyAsnAspGlu 116
QY 241 CCTACTGNGCAGATGGGCAACTGTGCGAG 273
DB 117 ProTyrlThrGluGlnMetGlyAsnCysGlyGlu 127

RESULT 8

US-10-270-595-6
; Sequence 6, Application US/10270595
; Publication No. US20030078409A1
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/10/270,595
; CURRENT FILING DATE: 2002-10-16
; PRIOR APPLICATION NUMBER: US/09/623,624
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,472
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; PRIOR FILING DATE: 1996-08-23

; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-270-595-6

Alignment Scores:
Pred. No.: 2,598-52 Length: 914
Score: 465.00 Matches: 88
Percent Similarity: 96.70% Conservative: 0
Best Local Similarity: 96.70% Mismatches: 3
Query Match: 98.73% Indels: 0
DB: 14 Gaps: 0

US-09-049-696-2 (1-273) x US-10-270-595-6 (1-914)

QY 1 GTTGAATCGACCCCAATGTGCGAAGATGAAACACTCATTCAACAATAAAGGACATG 60
DB 37 ValAlaIleAspProAsnValProGluAspGluThrLeuIleGlnIleLysAspMet 56
QY 61 GTGACCCAGGCATCTCTGTATCTGTTGAAGCTACAGGAAAGCGATTTTATTTCAAAAT 120
DB 57 ValThrGlnAlaSerLeuThrLeuPheGluAlaThrGlyLysArgPheThrPheLysAsn 76
QY 121 GTTGCCATTTTGAATCTCTGAACATGGAAGAAAGGNTGACTATGTGAGACCAAACTT 180
DB 77 ValAlaIleLeuIleProGluThrTrpLysThrLysAlaAspTyrValArgProLysLeu 96
QY 181 GAGACCTACAAAATGCTGATGTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 240
DB 97 GluThrTyrlLysAsnAlaAspValLeuValAlaGluSerThrProProGlyAsnAspGlu 116

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QY 241 CCTACACTGNCAGATGGCGCACTGTGGCGAG 273
Db 117 ProTyrThrGluGlnMetGlyAsnGlyGlu 127

RESULT 9
US-10-235-994-26
; Sequence 26, Application US/10235994
; Publication No. US20030101002A1
; GENERAL INFORMATION:
; APPLICANT: Bartha, Gabor
; TITLE OF INVENTION: METHODS FOR ANALYZING GENE EXPRESSION PATTERNS
; FILE REFERENCE: ICYF0012
; CURRENT APPLICATION NUMBER: US/10/235,994
; PRIOR FILING DATE: 2002-09-04
; PRIOR APPLICATION NUMBER: US/10/003,608
; PRIOR FILING DATE: 2001-11-01
; PRIOR APPLICATION NUMBER: 60/245,081
; PRIOR FILING DATE: 2000-11-01
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 26
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Human
US-10-235-994-26

Alignment Scores:
Pred. No.: 2,59e-52 Length: 914
Score: 465.00 Matches: 88
Percent Similarity: 96.70% Conservative: 0
Best Local Similarity: 96.70% Mismatches: 3
Query Match: 98.73% Indels: 0
DB: 14 Gaps: 0

US-09-049-696-2 (1-273) x US-10-235-994-26 (1-914)
QY 1 GTTGCAATCGACCCCAATGTGCAGAGATGAACACTCATTCAACAAATAAAGGACATG 60
Db 37 ValAlaIleAspProAsnValProGluAspGluThrLeuIleGlnIleLysAspMet 56
QY 61 GTGACCCAGCATCTCTGATCTCTGTTGAAGCTACAGGAAAGCGATTTTCAAAAAT 120
Db 57 ValThrGlnAlaSerLeuTyrLeuPheGluAlaThrGlyLysArgPheTyrPheLysAsn 76
QY 121 GTTGCCATTTTGAATTCCTGAAACATGGAAGCAAGGNTGACTATGTGAGACCAAACTT 180
Db 77 ValAlaIleLeuIleProGluThrTyrLysAlaAspTyrValArgProLysLeu 96
QY 181 GAGACCTACAAAATGCTGATCTTCTGGTGTCTGAGTCTANTCTCCAGNAATGATGAA 240
Db 97 GluThrTyrLysAsnAlaAspValLeuValAlaGluSerThrProProGlyAsnAspGlu 116

QY 241 CCTACACTGNCAGATGGCGCACTGTGGCGAG 273
Db 117 ProTyrThrGluGlnMetGlyAsnGlyGlu 127

RESULT 10
US-10-060-255-42
; Sequence 42, Application US/10060255
; Publication No. US20030113840A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 25 Human secreted proteins
; FILE REFERENCE: PZ042P1
; CURRENT APPLICATION NUMBER: US/10/060,255
; PRIOR FILING DATE: 2002-02-01
; PRIOR APPLICATION NUMBER: 09/781,417
; PRIOR FILING DATE: 2001-02-13
; PRIOR APPLICATION NUMBER: PCT/US00/22325
; PRIOR FILING DATE: 2000-08-16
; PRIOR APPLICATION NUMBER: 60/149,182

US-09-049-696-2 (1-273) x US-10-060-255-42 (1-914)
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Db 37 ValAlaIleAspProAsnValProGluAspGluThrLeuIleGlnIleLysAspMet 56
QY 61 GTGACCCAGCATCTCTGATCTCTGTTGAAGCTACAGGAAAGCGATTTTCAAAAAT 120
Db 57 ValThrGlnAlaSerLeuTyrLeuPheGluAlaThrGlyLysArgPheTyrPheLysAsn 76
QY 121 GTTGCCATTTTGAATTCCTGAAACATGGAAGCAAGGNTGACTATGTGAGACCAAACTT 180
Db 77 ValAlaIleLeuIleProGluThrTyrLysAlaAspTyrValArgProLysLeu 96
QY 181 GAGACCTACAAAATGCTGATCTTCTGGTGTCTGAGTCTANTCTCCAGNAATGATGAA 240
Db 97 GluThrTyrLysAsnAlaAspValLeuValAlaGluSerThrProProGlyAsnAspGlu 116

QY 241 CCTACACTGNCAGATGGCGCACTGTGGCGAG 273
Db 117 ProTyrThrGluGlnMetGlyAsnGlyGlu 127

RESULT 11
US-10-369-214-133
; Sequence 133, Application US/10369214
; Publication No. US20030232037A1
; GENERAL INFORMATION:
; APPLICANT: Groot, Pieter C.
; APPLICANT: Berghenhouwen van, Bram J.
; APPLICANT: Oosterhout van, Antoon J.M.
; TITLE OF INVENTION: Genes involved in immune related responses observed
; TITLE OF INVENTION: with asthma
; FILE REFERENCE: P53837US00
; CURRENT APPLICATION NUMBER: US/10/369,214
; CURRENT FILING DATE: 2003-02-15
; PRIOR APPLICATION NUMBER: EP 00202867.8
; PRIOR FILING DATE: 2000-08-16
; PRIOR APPLICATION NUMBER: PCT/NL01/00610
; PRIOR FILING DATE: 2001-08-16
; NUMBER OF SEQ ID NOS: 139
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 133
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (1)..(914)
; OTHER INFORMATION: /note="Human CLCAl"
US-10-369-214-133

Alignment Scores:
Pred. No.: 2,59e-52 Length: 914
Score: 465.00 Matches: 88
Percent Similarity: 96.70% Conservative: 0
Best Local Similarity: 96.70% Mismatches: 3
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Query Match: 98.73% Indels: 0
DB: 15 Gaps: 0
US-09-049-696-2 (1-273) x US-10-369-214-133 (1-914)
QY 1 GTTGAATCGACCCCAATGTCGAGAGATGAACACTATTCAACAAATAAGGACATG 60
DB 37 ValAlaIleAspProAsnValProGluAspGluThrLeuIleGlnIleLysAspMet 56
QY 61 GTGACCCAGGCATCTCTGATCTGTTGAAGCTACAGGAACGATTTTATTTCAAAAT 120
DB 57 ValThrGlnAlaSerLeuTyrLeuPheGluAlaThrGlyLysArgPheTyrPheLysAsn 76
QY 121 GTTGCCATTTTCATTCCTGAACATGGAAGCAAGAGTACTATGTGAGACCAAACTT 180
DB 77 ValAlaIleLeuIleProGluThrTrpLysThrLysAlaAspTyrValArgProLysLeu 96
QY 181 GAGACTCAAAAATGCTGATGTTCTGTTGCTGAGTCTANTCTCCAGGNAATGATGAA 240
DB 97 GluThrTyrLysAsnAlaAspValLeuValAlaGluSerThrProProGlyAsnAspGlu 116
QY 241 CCTACTGNCAGATGGGCAACTGTGCGAG 273
DB 117 ProTyrThrGluGlnMetGlyAsnCysGlyGlu 127
RESULT 12
US-09-764-868-635
; Sequence 635, Application US/09764868
; Patent No. US20020168711A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PT232
; CURRENT APPLICATION NUMBER: US/09/764,868
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 1510
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 635
; LENGTH: 925
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-764-868-635
Alignment Scores:
Pred. No.: 2,6e-52 Length: 925
Score: 465.00 Matches: 88
Percent Similarity: 96.70% Conservative: 0
Best Local Similarity: 96.70% Mismatches: 3
Query Match: 98.73% Indels: 0
DB: 9 Gaps: 0
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QY 61 GTGACCCAGGCATCTCTGATCTGTTGAAGCTACAGGAACGATTTTATTTCAAAAT 120
DB 68 ValThrGlnAlaSerLeuTyrLeuPheGluAlaThrGlyLysArgPheTyrPheLysAsn 87
QY 121 GTTGCCATTTTCATTCCTGAACATGGAAGCAAGAGTACTATGTGAGACCAAACTT 180
DB 88 ValAlaIleLeuIleProGluThrTrpLysThrLysAlaAspTyrValArgProLysLeu 107
QY 181 GAGACTCAAAAATGCTGATGTTCTGTTGCTGAGTCTANTCTCCAGGNAATGATGAA 240
DB 108 GluThrTyrLysAsnAlaAspValLeuValAlaGluSerThrProProGlyAsnAspGlu 127
QY 241 CCTACTGNCAGATGGGCAACTGTGCGAG 273
DB 128 ProTyrThrGluGlnMetGlyAsnCysGlyGlu 138
RESULT 14
US-10-270-595-2
; Sequence 2, Application US/10270595
; Publication No. US20030078409A1
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/10/270,595
; CURRENT FILING DATE: 2002-10-16
; PRIOR APPLICATION NUMBER: US/09/623,624
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
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RESULT 13
US-10-106-698-6248
; Sequence 6248, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptides
; FILE REFERENCE: PA005P1
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 6248
; LENGTH: 925
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-106-698-6248
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Pred. No.: 2,6e-52 Length: 925
Score: 465.00 Matches: 88
Percent Similarity: 96.70% Conservative: 0
Best Local Similarity: 96.70% Mismatches: 3
Query Match: 98.73% Indels: 0
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QY 61 GTGACCCAGGCATCTCTGATCTGTTGAAGCTACAGGAACGATTTTATTTCAAAAT 120
DB 68 ValThrGlnAlaSerLeuTyrLeuPheGluAlaThrGlyLysArgPheTyrPheLysAsn 87
QY 121 GTTGCCATTTTCATTCCTGAACATGGAAGCAAGAGTACTATGTGAGACCAAACTT 180
DB 88 ValAlaIleLeuIleProGluThrTrpLysThrLysAlaAspTyrValArgProLysLeu 107
QY 181 GAGACTCAAAAATGCTGATGTTCTGTTGCTGAGTCTANTCTCCAGGNAATGATGAA 240
DB 108 GluThrTyrLysAsnAlaAspValLeuValAlaGluSerThrProProGlyAsnAspGlu 127
QY 241 CCTACTGNCAGATGGGCAACTGTGCGAG 273
DB 128 ProTyrThrGluGlnMetGlyAsnCysGlyGlu 138
RESULT 14
US-10-270-595-2
; Sequence 2, Application US/10270595
; Publication No. US20030078409A1
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/10/270,595
; CURRENT FILING DATE: 2002-10-16
; PRIOR APPLICATION NUMBER: US/09/623,624
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
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; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,472
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; PRIOR FILING DATE: 1996-08-23
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 913
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-270-595-2

Alignment Scores:
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Best Local Similarity: 76.92% Mismatches: 13
Query Match: 78.77% Indels: 0
DB: 14 Gaps: 0

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QY 61 GTGACCCAGGCATCTCTGTATCTGTTGAAGCTACAGGAAGCGATTTTATTTCAAAAAT 120
Db 57 ValThrGlnAlaSerProTyrLeuPheGluAlaThrGlyLysArgPheTyrPheLysAsn 76
QY 121 GTTGCAATTTGATTCCTGAAACATGGAAGACAAAGGNTGACTATGTGAGACCAAACTT 180
Db 77 ValAlaIleLeuIleProGluSerTrpLysAlaLysProGluTyrThrArgProLysLeu 96
QY 181 GAGACTACAAAATGCTGATGTTCTGGTTGCTGAGTCTANTCTCCAGNAATGATGAA 240
Db 97 GluThrPheLysAsnAlaAspValLeuValSerThrThrSerProLeuGlyAsnAspGlu 116
QY 241 CCTACACTGNGCAGATGGGCAACTGTGGCGAG 273
Db 117 ProTyrThrGluHisIleGlyAlaCysGlyGlu 127

RESULT 15
US-10-369-214-132
; Sequence 132, Application US/10369214
; Publication No. US2003023037A1
; GENERAL INFORMATION:
; APPLICANT: Groot, Pieter C.
; APPLICANT: Bergenhegouwen van, Bram J.
; APPLICANT: Oosterhout van, Antoon J.M.
; TITLE OF INVENTION: Genes involved in immune related responses observed
; TITLE OF INVENTION: with asthma
; FILE REFERENCE: P53837US00
; CURRENT APPLICATION NUMBER: US/10/369,214
; CURRENT FILING DATE: 2003-02-15
; PRIOR APPLICATION NUMBER: EP 00202867.8
; PRIOR FILING DATE: 2000-08-16
; PRIOR APPLICATION NUMBER: PCT/NL01/00610
; PRIOR FILING DATE: 2001-08-16
; NUMBER OF SEQ ID NOS: 139
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 132
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; LENGTH: 913
; TYPE: PRT
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (1)..(913)
; OTHER INFORMATION: /note="Calcium-activated chloride channels Gob-5"
US-10-369-214-132

Alignment Scores:
Pred. No.: 7,2e-40 Length: 913
Score: 371.00 Matches: 70
Percent Similarity: 85.71% Conservative: 8
Best Local Similarity: 76.92% Mismatches: 13
Query Match: 78.77% Indels: 0
DB: 15 Gaps: 0

US-09-049-696-2 (1-273) x US-10-369-214-132 (1-913)
QY 1 GTTGCAATCGACCCCAATGTGCCAGAGATGAAACACTCATTCAACAAATAAGGACATG 60
Db 37 IIEAlalleAspHisAspValProGluAspGluAlaLeuIleGlnHisIleLysAspMet 56
QY 61 GTGACCCAGGCATCTCTGTATCTGTTGAAGCTACAGGAAGCGATTTTATTTCAAAAAT 120
Db 57 ValThrGlnAlaSerProTyrLeuPheGluAlaThrGlyLysArgPheTyrPheLysAsn 76
QY 121 GTTGCAATTTGATTCCTGAAACATGGAAGACAAAGGNTGACTATGTGAGACCAAACTT 180
Db 77 ValAlaIleLeuIleProGluSerTrpLysAlaLysProGluTyrThrArgProLysLeu 96
QY 181 GAGACTACAAAATGCTGATGTTCTGGTTGCTGAGTCTANTCTCCAGNAATGATGAA 240
Db 97 GluThrPheLysAsnAlaAspValLeuValSerThrThrSerProLeuGlyAsnAspGlu 116
QY 241 CCTACACTGNGCAGATGGGCAACTGTGGCGAG 273
Db 117 ProTyrThrGluHisIleGlyAlaCysGlyGlu 127

Search completed: April 21, 2004, 16:38:25
Job time : 42.304 secs
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GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

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Run on: April 21, 2004, 16:13:29 ; Search time 13.931 Seconds
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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3	371	78.8	913	4	US-09-623-624-2
4	314	66.7	917	4	US-09-049-698-41
5	292	62.0	903	4	US-09-193-562D-46
6	292	62.0	903	4	US-09-623-624-18
7	288	61.1	342	4	US-09-193-562D-13
8	288	61.1	795	4	US-09-193-562D-11
9	288	61.1	821	4	US-09-193-562D-12
10	288	61.1	905	4	US-09-193-562D-2
11	287	60.9	902	4	US-09-193-562D-34
12	282	59.9	1000	4	US-09-193-562D-30

13	223.5	47.5	592	4	US-09-643-597-159	Sequence 169, App
14	223.5	47.5	592	4	US-09-480-884A-169	Sequence 169, App
15	223.5	47.5	592	4	US-09-542-615A-169	Sequence 169, App
16	223.5	47.5	791	4	US-09-606-421B-169	Sequence 169, App
17	223.5	47.5	791	4	US-09-643-597-170	Sequence 170, App
18	223.5	47.5	791	4	US-09-480-884A-170	Sequence 170, App
19	223.5	47.5	791	4	US-09-542-615A-170	Sequence 170, App
20	223.5	47.5	791	4	US-09-606-421B-170	Sequence 170, App
21	223.5	47.5	920	4	US-09-643-597-357	Sequence 357, App
22	223.5	47.5	942	4	US-09-919-172-87	Sequence 32, Appl
23	223.5	47.5	943	4	US-09-193-562D-32	Sequence 32, Appl
24	223.5	47.5	943	4	US-09-643-597-161	Sequence 161, App
25	223.5	47.5	943	4	US-09-480-884A-161	Sequence 161, App
26	223.5	47.5	943	4	US-09-542-615A-161	Sequence 161, App
27	223.5	47.5	943	4	US-09-606-421B-161	Sequence 161, App
28	223.5	47.5	943	4	US-09-623-624-4	Sequence 4, Appl
29	223.5	47.5	943	4	US-09-221-107-161	Sequence 161, App
30	65	13.8	81	3	US-09-129-030-42	Sequence 42, Appl
31	64.5	13.7	313	4	US-09-071-035-180	Sequence 180, App
32	64.5	13.7	335	4	US-09-071-035-178	Sequence 178, App
33	64.5	13.7	613	3	US-09-446-504-5	Sequence 5, Appl
34	64.5	13.7	613	4	US-09-712-266-5	Sequence 2, Appl
35	64.5	13.7	613	4	US-09-091-889A-2	Sequence 2, Appl
36	63	13.4	202	4	US-09-134-000C-4172	Sequence 4172, Ap
37	62.5	12.7	395	4	US-09-543-681A-6203	Sequence 6203, Ap
38	62.5	13.3	479	4	US-08-985-343-4	Sequence 4, Appl
39	62	12.6	153	1	US-08-050-319B-52	Sequence 52, Appl
40	62	12.6	153	2	US-08-465-982-52	Sequence 52, Appl
41	62	12.6	153	2	US-08-219-237B-4	Sequence 4, Appl
42	62	12.6	153	3	US-08-477-347-12	Sequence 12, Appl
43	62	12.6	153	3	US-08-476-862-3	Sequence 3, Appl
44	62	12.6	153	3	US-08-468-560C-4	Sequence 4, Appl
45	62	12.6	153	4	US-09-800-909-3	Sequence 3, Appl

ALIGNMENTS

RESULT 1
US-09-193-562D-28
; Sequence 28, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedict U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; FILE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 28
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-193-562D-28

Alignment Scores:
Pred. No.: 3 05e-57 Length: 914
Score: 465.00 Matches: 88
Percent Similarity: 96.70% Conservative: 0
Best Local Similarity: 96.70% Mismatches: 3
Query Match: 96.73% Indels: 0
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US-09-049-696-2 (1-273) x US-09-193-562D-28 (1-914)

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QY 121 GTTGCCATTTGATCTCCTCAAAATGGAAGCAAGGNTGACTATGTGAGACCAAACTT 180
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QY 181 GAGACCTACAAAATGCTGATGTTCTGTTGCTGAGTCTTANTCCTCCAGNAATGATGAA 240
Db 97 GluThrPheLysAsnAlaAspValLeuValSerThrThrSerProLeuGlyAsnAspGlu 116
QY 241 CCCTACACTGNCAGATGGGCAACTGTGGCGAG 273
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RESULT 4
US-09-049-698-41
; Sequence 41, Application US/09049698
; Patent No. 6368792
; GENERAL INFORMATION:
; APPLICANT: BILLING-MEDEL, PATRICIA A.
; APPLICANT: COHEN, MAURICE
; APPLICANT: COLPITTS, TRACEY L.
; APPLICANT: FRIEDMAN, PAULA N.
; APPLICANT: HAYDEN, MARK
; APPLICANT: KLASS, MICHAEL R.
; APPLICANT: ROBERTS-RAPP, LISA
; APPLICANT: RUSSELL, JOHN C.
; APPLICANT: STROUPE, STEPHEN D.
; TITLE OF INVENTION: REAGENTS AND METHODS FOR THE
; TITLE OF INVENTION: USEFUL FOR DETECTING DISEASES OF THE GASTROINTESTINAL
; TITLE OF INVENTION: TRACT
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Abbott Laboratories
; STREET: 100 Abbott Park Road
; CITY: Abbott Park
; STATE: IL
; COUNTRY: USA
; ZIP: 60064-3500
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/049,698
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/828,856
; FILING DATE: 31-MAR-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Becker, Cheryl L.
; REGISTRATION NUMBER: 35,441
; REFERENCE/DOCKET NUMBER: 6068.US.P1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 847/935-1729
; TELEFAX: 847/938-2623
; TELEX:
; INFORMATION FOR SEQ ID NO: 41:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 917 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: No. 6368792e
US-09-049-698-41

Alignment Scores:
Pred. No.: 8.95e-36 Length: 917
Score: 314.00 Matches: 59

Percent Similarity: 75.82% Conservative: 10
Best Local Similarity: 64.84% Mismatches: 22
Query Match: 66.67% Indels: 0
DB: 4 Gaps: 0
US-09-049-696-2 (1-273) x US-09-049-698-41 (1-917)

QY 1 GTTGCAATCGACCCCAATGTGCCAGAAGATGAACACATCTATTCAACAAATAAAGGACATG 60
Db 36 IleValIleAspProSerValProGluAspGluLysIleIleGluGlnIleGluAspMet 55
QY 61 GTGACCCAGGCACTCTGTATCTGTTGAGCTACAGGAAGCGATTTATTTCAAAAT 120
Db 56 ValThrThrAlaSerThrTyrLeuPheGluAlaThrGluLysArgPhePheLysAsn 75
QY 121 GTTGCCATTTGATCTCCTCAAAATGGAAGCAAGGNTGACTATGTGAGACCAAACTT 180
Db 76 ValSerIleLeuLeuProGluAsnTrpLysGluAsnProGlnTyrLysArgProLysHis 95
QY 181 GAGACCTACAAAATGCTGATGTTCTGTTGCTGAGTCTTANTCCTCCAGNAATGATGAA 240
Db 96 GluAsnHisLysHisAlaAspValIleValAlaProProThrLeuProGlyArgAspGlu 115
QY 241 CCCTACACTGNCAGATGGGCAACTGTGGCGAG 273
Db 116 ProTyrThrLysGlnPheThrGluCysGlyGlu 126

RESULT 5
US-09-193-562D-46
; Sequence 46, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 46
; TYPE: PRT
; LENGTH: 903
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Calcium sensitive chloride channel from bovine tracheal
; OTHER INFORMATION: epithelium (Cunningham et al., 1995, J. Biol. Chem., 270:31016-
US-09-193-562D-46

Alignment Scores:
Pred. No.: 1.19e-32 Length: 903
Score: 292.00 Matches: 54
Percent Similarity: 75.82% Conservative: 15
Best Local Similarity: 59.34% Mismatches: 22
Query Match: 62.00% Indels: 0
DB: 4 Gaps: 0
US-09-049-696-2 (1-273) x US-09-193-562D-46 (1-903)

QY 1 GTTGCAATCGACCCCAATGTGCCAGAAGATGAACACATCTATTCAACAAATAAAGGACATG 60
Db 36 IleAlaIleAsnProSerValProGluAspGluLysLeuIleGlnAsnIleLysGluMet 55
QY 61 GTGACCCAGGCACTCTGTATCTGTTGAGCTACAGGAAGCGATTTATTTCAAAAT 120
Db 56 ValThrGluAlaSerThrTyrLeuPheHisAlaThrLysArgArgValTyrPheArgAsn 75
QY 121 GTTGCCATTTGATCTCCTCAAAATGGAAGCAAGGNTGACTATGTGAGACCAAACTT 180
Db 76 ValSerIleLeuLeuProGluAsnTrpLysGluAsnProGlnTyrLysArgProLysGln 95


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; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 11
; LENGTH: 795
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Variant of Lu-ECAM-1 from bovine endothelial cells
US-09-193-562D-11

Alignment Scores:
Pred. No.: 4.24e-32 Length: 795
Score: 288.00 Matches: 54
Percent Similarity: 74.73% Conservative: 14
Best Local Similarity: 59.34% Mismatches: 23
Query Match: 61.15% Indels: 0
DB: 4 Gaps: 0

US-09-049-696-2 (1-273) x US-09-193-562D-11 (1-795)

QY 1 GTTGAATCGACCCCAATGTGCAGAGATGAACAACCTATTCAACAATAAAGGACATG 60
   ::::::::::::::::::::
Db IleAlaIleAsnProSerValProGluAspGluLysLeuIleGluAsnIleLysGluMet 55

QY 36 IleAlaIleAsnProSerValProGluAspGluLysLeuIleGluAsnIleLysGluMet 55
   ::::::::::::::::::::
Db IleAlaIleAsnProSerValProGluAspGluLysLeuIleGluAsnIleLysGluMet 55

QY 61 GTGACCCAGGCATCTCTGTATCTGTTGAAGCTACAGGAAGCGATTTTATTTCAAAAAT 120
   ::::::::::::::::::::
Db ValThrGluAlaSerThrTyrLeuPheHisAlaThrLysArgValTyrPheArgAsn 75

QY 56 ValThrGluAlaSerThrTyrLeuPheHisAlaThrLysArgValTyrPheArgAsn 75
   ::::::::::::::::::::
Db ValThrGluAlaSerThrTyrLeuPheHisAlaThrLysArgValTyrPheArgAsn 75

QY 121 GTTGCCATTTTGTATCTGATCTGTTGCTGCTGAGTCTANTCTCCAGNAATGATGAA 240
   ::::::::::::::::::::
Db ValSerIleLeuIleProMetThrTyrLysSerLysSerGluTyrPheIleProLysGln 95

QY 181 GAGACCTACAAAAATGCTGATGTTCTGGTGTCTGAGTCTANTCTCCAGNAATGATGAA 240
   ::::::::::::::::::::
Db GluSerTyrAspGlnAlaAspValIleValAlaAsnProTyrLeuLysTyrGlyAspAsp 115

QY 96 GluSerTyrAspGlnAlaAspValIleValAlaAsnProTyrLeuLysTyrGlyAspAsp 115
   ::::::::::::::::::::
Db GluSerTyrAspGlnAlaAspValIleValAlaAsnProTyrLeuLysTyrGlyAspAsp 115

QY 241 CCTACACTGNGCAGATGGGCAACTGTGGCGAG 273
   ::::::::::::::::::::
Db 116 ProTyrThrLeuGlnTyrGlyArgCysGlyGlu 126

RESULT 9
US-09-193-562D-12
; Sequence 12, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; FILE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; CURRENT APPLICATION NUMBER: US/09/193,562D
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 12
; LENGTH: 821
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Variant of Lu-ECAM-1 from bovine endothelial cells
US-09-193-562D-12

Alignment Scores:
Pred. No.: 4.29e-32 Length: 821
Score: 288.00 Matches: 54
Percent Similarity: 74.73% Conservative: 14
Best Local Similarity: 59.34% Mismatches: 23
Query Match: 61.15% Indels: 0
DB: 4 Gaps: 0

US-09-049-696-2 (1-273) x US-09-193-562D-12 (1-821)

QY 1 GTTGAATCGACCCCAATGTGCAGAGATGAACAACCTATTCAACAATAAAGGACATG 60
   ::::::::::::::::::::
Db IleAlaIleAsnProSerValProGluAspGluLysLeuIleGluAsnIleLysGluMet 55

QY 36 IleAlaIleAsnProSerValProGluAspGluLysLeuIleGluAsnIleLysGluMet 55
   ::::::::::::::::::::
Db IleAlaIleAsnProSerValProGluAspGluLysLeuIleGluAsnIleLysGluMet 55

QY 61 GTGACCCAGGCATCTCTGTATCTGTTGAAGCTACAGGAAGCGATTTTATTTCAAAAAT 120
   ::::::::::::::::::::
Db ValThrGluAlaSerThrTyrLeuPheHisAlaThrLysArgValTyrPheArgAsn 75

QY 56 ValThrGluAlaSerThrTyrLeuPheHisAlaThrLysArgValTyrPheArgAsn 75
   ::::::::::::::::::::
Db ValThrGluAlaSerThrTyrLeuPheHisAlaThrLysArgValTyrPheArgAsn 75

QY 121 GTTGCCATTTTGTATCTGATCTGTTGCTGCTGAGTCTANTCTCCAGNAATGATGAA 240
   ::::::::::::::::::::
Db ValSerIleLeuIleProMetThrTyrLysSerLysSerGluTyrPheIleProLysGln 95

QY 181 GAGACCTACAAAAATGCTGATGTTCTGGTGTCTGAGTCTANTCTCCAGNAATGATGAA 240
   ::::::::::::::::::::
Db GluSerTyrAspGlnAlaAspValIleValAlaAsnProTyrLeuLysTyrGlyAspAsp 115

QY 96 GluSerTyrAspGlnAlaAspValIleValAlaAsnProTyrLeuLysTyrGlyAspAsp 115
   ::::::::::::::::::::
Db GluSerTyrAspGlnAlaAspValIleValAlaAsnProTyrLeuLysTyrGlyAspAsp 115

QY 241 CCTACACTGNGCAGATGGGCAACTGTGGCGAG 273
   ::::::::::::::::::::
Db 116 ProTyrThrLeuGlnTyrGlyArgCysGlyGlu 126

RESULT 9
US-09-193-562D-12
; Sequence 12, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; FILE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; CURRENT APPLICATION NUMBER: US/09/193,562D
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 12
; LENGTH: 821
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Variant of Lu-ECAM-1 from bovine endothelial cells
US-09-193-562D-12

Alignment Scores:
Pred. No.: 4.29e-32 Length: 821
Score: 288.00 Matches: 54
Percent Similarity: 74.73% Conservative: 14
Best Local Similarity: 59.34% Mismatches: 23
Query Match: 61.15% Indels: 0
DB: 4 Gaps: 0

US-09-049-696-2 (1-273) x US-09-193-562D-12 (1-821)

QY 1 GTTGAATCGACCCCAATGTGCAGAGATGAACAACCTATTCAACAATAAAGGACATG 60
   ::::::::::::::::::::
Db IleAlaIleAsnProSerValProGluAspGluLysLeuIleGluAsnIleLysGluMet 55

QY 36 IleAlaIleAsnProSerValProGluAspGluLysLeuIleGluAsnIleLysGluMet 55
   ::::::::::::::::::::
Db IleAlaIleAsnProSerValProGluAspGluLysLeuIleGluAsnIleLysGluMet 55

QY 61 GTGACCCAGGCATCTCTGTATCTGTTGAAGCTACAGGAAGCGATTTTATTTCAAAAAT 120
   ::::::::::::::::::::
Db ValThrGluAlaSerThrTyrLeuPheHisAlaThrLysArgValTyrPheArgAsn 75

QY 56 ValThrGluAlaSerThrTyrLeuPheHisAlaThrLysArgValTyrPheArgAsn 75
   ::::::::::::::::::::
Db ValThrGluAlaSerThrTyrLeuPheHisAlaThrLysArgValTyrPheArgAsn 75

QY 121 GTTGCCATTTTGTATCTGATCTGTTGCTGCTGAGTCTANTCTCCAGNAATGATGAA 240
   ::::::::::::::::::::
Db ValSerIleLeuIleProMetThrTyrLysSerLysSerGluTyrPheIleProLysGln 95

QY 181 GAGACCTACAAAAATGCTGATGTTCTGGTGTCTGAGTCTANTCTCCAGNAATGATGAA 240
   ::::::::::::::::::::
Db GluSerTyrAspGlnAlaAspValIleValAlaAsnProTyrLeuLysTyrGlyAspAsp 115

QY 96 GluSerTyrAspGlnAlaAspValIleValAlaAsnProTyrLeuLysTyrGlyAspAsp 115
   ::::::::::::::::::::
Db GluSerTyrAspGlnAlaAspValIleValAlaAsnProTyrLeuLysTyrGlyAspAsp 115

QY 241 CCTACACTGNGCAGATGGGCAACTGTGGCGAG 273
   ::::::::::::::::::::
Db 116 ProTyrThrLeuGlnTyrGlyArgCysGlyGlu 126

RESULT 11
US-09-193-562D-34
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; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 11
; LENGTH: 795
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Variant of Lu-ECAM-1 from bovine endothelial cells
US-09-193-562D-11

Alignment Scores:
Pred. No.: 4.24e-32 Length: 795
Score: 288.00 Matches: 54
Percent Similarity: 74.73% Conservative: 14
Best Local Similarity: 59.34% Mismatches: 23
Query Match: 61.15% Indels: 0
DB: 4 Gaps: 0

US-09-049-696-2 (1-273) x US-09-193-562D-11 (1-795)

QY 1 GTTGAATCGACCCCAATGTGCAGAGATGAACAACCTATTCAACAATAAAGGACATG 60
   ::::::::::::::::::::
Db IleAlaIleAsnProSerValProGluAspGluLysLeuIleGluAsnIleLysGluMet 55

QY 36 IleAlaIleAsnProSerValProGluAspGluLysLeuIleGluAsnIleLysGluMet 55
   ::::::::::::::::::::
Db IleAlaIleAsnProSerValProGluAspGluLysLeuIleGluAsnIleLysGluMet 55

QY 61 GTGACCCAGGCATCTCTGTATCTGTTGAAGCTACAGGAAGCGATTTTATTTCAAAAAT 120
   ::::::::::::::::::::
Db ValThrGluAlaSerThrTyrLeuPheHisAlaThrLysArgValTyrPheArgAsn 75

QY 56 ValThrGluAlaSerThrTyrLeuPheHisAlaThrLysArgValTyrPheArgAsn 75
   ::::::::::::::::::::
Db ValThrGluAlaSerThrTyrLeuPheHisAlaThrLysArgValTyrPheArgAsn 75

QY 121 GTTGCCATTTTGTATCTGATCTGTTGCTGCTGAGTCTANTCTCCAGNAATGATGAA 240
   ::::::::::::::::::::
Db ValSerIleLeuIleProMetThrTyrLysSerLysSerGluTyrPheIleProLysGln 95

QY 181 GAGACCTACAAAAATGCTGATGTTCTGGTGTCTGAGTCTANTCTCCAGNAATGATGAA 240
   ::::::::::::::::::::
Db GluSerTyrAspGlnAlaAspValIleValAlaAsnProTyrLeuLysTyrGlyAspAsp 115

QY 96 GluSerTyrAspGlnAlaAspValIleValAlaAsnProTyrLeuLysTyrGlyAspAsp 115
   ::::::::::::::::::::
Db GluSerTyrAspGlnAlaAspValIleValAlaAsnProTyrLeuLysTyrGlyAspAsp 115

QY 241 CCTACACTGNGCAGATGGGCAACTGTGGCGAG 273
   ::::::::::::::::::::
Db 116 ProTyrThrLeuGlnTyrGlyArgCysGlyGlu 126

RESULT 10
US-09-193-562D-2
; Sequence 2, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; FILE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; CURRENT APPLICATION NUMBER: US/09/193,562D
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 2
; LENGTH: 905
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Lu-ECAM-1 precursor from bovine endothelial cells
US-09-193-562D-2

Alignment Scores:
Pred. No.: 4.43e-32 Length: 905
Score: 288.00 Matches: 54
Percent Similarity: 74.73% Conservative: 14
Best Local Similarity: 59.34% Mismatches: 23
Query Match: 61.15% Indels: 0
DB: 4 Gaps: 0

US-09-049-696-2 (1-273) x US-09-193-562D-2 (1-905)

QY 1 GTTGAATCGACCCCAATGTGCAGAGATGAACAACCTATTCAACAATAAAGGACATG 60
   ::::::::::::::::::::
Db IleAlaIleAsnProSerValProGluAspGluLysLeuIleGluAsnIleLysGluMet 55

QY 61 GTGACCCAGGCATCTCTGTATCTGTTGAAGCTACAGGAAGCGATTTTATTTCAAAAAT 120
   ::::::::::::::::::::
Db ValThrGluAlaSerThrTyrLeuPheHisAlaThrLysArgValTyrPheArgAsn 75

QY 56 ValThrGluAlaSerThrTyrLeuPheHisAlaThrLysArgValTyrPheArgAsn 75
   ::::::::::::::::::::
Db ValThrGluAlaSerThrTyrLeuPheHisAlaThrLysArgValTyrPheArgAsn 75

QY 121 GTTGCCATTTTGTATCTGATCTGTTGCTGCTGAGTCTANTCTCCAGNAATGATGAA 240
   ::::::::::::::::::::
Db ValSerIleLeuIleProMetThrTyrLysSerLysSerGluTyrPheIleProLysGln 95

QY 181 GAGACCTACAAAAATGCTGATGTTCTGGTGTCTGAGTCTANTCTCCAGNAATGATGAA 240
   ::::::::::::::::::::
Db GluSerTyrAspGlnAlaAspValIleValAlaAsnProTyrLeuLysTyrGlyAspAsp 115

QY 96 GluSerTyrAspGlnAlaAspValIleValAlaAsnProTyrLeuLysTyrGlyAspAsp 115
   ::::::::::::::::::::
Db GluSerTyrAspGlnAlaAspValIleValAlaAsnProTyrLeuLysTyrGlyAspAsp 115

QY 241 CCTACACTGNGCAGATGGGCAACTGTGGCGAG 273
   ::::::::::::::::::::
Db 116 ProTyrThrLeuGlnTyrGlyArgCysGlyGlu 126

RESULT 11
US-09-193-562D-34
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Db 85 IleLysIleLeuIleProIaThrTrpLysAlaAsnAsnAsn---SerLysIleLysGln 103
QY 181 GAGACCTACAAAATGCTGATGTTCTGGTGTCTAGCTCTANTCCTCCAGNAATGATGAA 240
Db 104 GluSerTyrGluLysAlaAsnValIleValThrAspTrpTyrGlyAlaHisGlyAspAsp 123
QY 241 CCTACACTGNGCAGATGGCAACTGTGGCGAG 273
Db 124 ProTyrThrLeuGlnTyrArgGlyCysGlyLys 134

RESULT 14

US-09-480-884A-169
; Sequence 169, Application US/09480884A
; Patent No. 6482597

GENERAL INFORMATION:

; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Hosken, Nancy A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY
; FILE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.455C6
; CURRENT APPLICATION NUMBER: US/09/480,884A
; CURRENT FILING DATE: 2001-08-27
; NUMBER OF SEQ ID NOS: 330
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 169
; LENGTH: 592
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-480-884A-169

Alignment Scores:
Pred. No.: 5,69e-23 Length: 592
Score: 223.50 Matches: 42
Percent Similarity: 68.13% Conservative: 20
Best Local Similarity: 46.15% Mismatches: 28
Query Match: 47.45% Indels: 1
DB: 4 Gaps: 1

US-09-049-696-2 (1-273) x US-09-480-884A-169 (1-592)

QY 1 GTTGCAATCGACCCCAATGTCCAGAAAGATGAAACACTCATTCAACAAATAAAGGACATG 60
Db 45 IleAlaIleAsnProGlnValProGluAsnGlnAsnLeuIleSerAsnIleLysGluMet 64
QY 61 GTGACCCAGGCATCTCTGTATCTCTGTTGAAGCTACAGGAAGCGATTTTATTTCAAAAT 120
Db 65 IleThrGluAlaSerPheTyrLeuPheAsnAlaThrLysArgArgValPhePheArgAsn 84
QY 121 GTTGCCATTTTGCATCTCCTGAAACATGGAACAAAGAGNTGACTATGTGAGACCAAACTT 180
Db 85 IleLysIleLeuIleProIaThrTrpLysAlaAsnAsnAsn---SerLysIleLysGln 103
QY 181 GAGACCTACAAAATGCTGATGTTCTGGTGTCTAGCTCTANTCCTCCAGNAATGATGAA 240
Db 104 GluSerTyrGluLysAlaAsnValIleValThrAspTrpTyrGlyAlaHisGlyAspAsp 123
QY 241 CCTACACTGNGCAGATGGCAACTGTGGCGAG 273
Db 124 ProTyrThrLeuGlnTyrArgGlyCysGlyLys 134

RESULT 15

US-09-542-615A-169
; Sequence 169, Application US/09542615A
; Patent No. 6518256

GENERAL INFORMATION:

; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.

; APPLICANT: Hosken, Nancy A.
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY
; FILE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.455C8
; CURRENT APPLICATION NUMBER: US/09/542,615A
; CURRENT FILING DATE: 2000-04-14
; NUMBER OF SEQ ID NOS: 350
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 169
; LENGTH: 592
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-542-615A-169

Alignment Scores:
Pred. No.: 5,69e-23 Length: 592
Score: 223.50 Matches: 42
Percent Similarity: 68.13% Conservative: 20
Best Local Similarity: 46.15% Mismatches: 28
Query Match: 47.45% Indels: 1
DB: 4 Gaps: 1

US-09-049-696-2 (1-273) x US-09-542-615A-169 (1-592)

QY 1 GTTGCAATCGACCCCAATGTCCAGAAAGATGAAACACTCATTCAACAAATAAAGGACATG 60
Db 45 IleAlaIleAsnProGlnValProGluAsnGlnAsnLeuIleSerAsnIleLysGluMet 64
QY 61 GTGACCCAGGCATCTCTGTATCTCTGTTGAAGCTACAGGAAGCGATTTTATTTCAAAAT 120
Db 65 IleThrGluAlaSerPheTyrLeuPheAsnAlaThrLysArgArgValPhePheArgAsn 84
QY 121 GTTGCCATTTTGCATCTCCTGAAACATGGAACAAAGAGNTGACTATGTGAGACCAAACTT 180
Db 85 IleLysIleLeuIleProIaThrTrpLysAlaAsnAsnAsn---SerLysIleLysGln 103
QY 181 GAGACCTACAAAATGCTGATGTTCTGGTGTCTAGCTCTANTCCTCCAGNAATGATGAA 240
Db 104 GluSerTyrGluLysAlaAsnValIleValThrAspTrpTyrGlyAlaHisGlyAspAsp 123
QY 241 CCTACACTGNGCAGATGGCAACTGTGGCGAG 273
Db 124 ProTyrThrLeuGlnTyrArgGlyCysGlyLys 134

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Job time : 16.931 secs

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Run on: April 24, 2004, 04:05:52 ; Search time 119.341 Seconds
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Total number of hits satisfying chosen parameters: 5815158

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Post-processing: Minimum Match 0%
Maximum Match 100%
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18: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq.*
19: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	ID	Description
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3	223	100.0	2867	15	US-10-106-698-351
4	223	100.0	3111	9	US-09-823-356-25
5	223	100.0	3111	9	US-09-981-353-191
6	223	100.0	3111	15	US-10-235-994-25
7	223	100.0	3267	9	US-09-764-868-22
8	221.4	99.3	3007	15	US-10-055-4128-27
9	221.4	99.3	3311	9	US-09-922-217-1056
10	221.4	99.3	3311	9	US-09-833-263-1056
11	221.4	99.3	3311	14	US-10-025-380-1056
12	221.4	99.3	3311	15	US-10-393-590-11
13	221.4	99.3	3311	15	US-10-393-590-12
14	221.4	99.3	3311	15	US-10-393-590-46

15	221.4	99.3	3311	15	US-10-393-590-47	Sequence 47, Appl
16	221.4	99.3	3311	15	US-10-393-567-11	Sequence 11, Appl
17	221.4	99.3	3311	15	US-10-393-567-12	Sequence 12, Appl
18	221.4	99.3	3311	15	US-10-393-567-46	Sequence 46, Appl
19	221.4	99.3	3311	15	US-10-393-567-47	Sequence 47, Appl
20	221.4	99.3	3311	15	US-10-394-087-11	Sequence 11, Appl
21	221.4	99.3	3311	15	US-10-394-087-12	Sequence 12, Appl
22	221.4	99.3	3311	15	US-10-394-087-46	Sequence 46, Appl
23	221.4	99.3	3311	15	US-10-394-087-47	Sequence 47, Appl
24	202	90.6	508	15	US-10-066-543-1503	Sequence 1503, Ap
25	199	89.2	2745	15	US-10-270-595-5	Sequence 5, Appl
26	187	83.9	4569	10	US-09-867-034-3	Sequence 3, Appl
27	187	83.9	4569	13	US-10-276-115-3	Sequence 3, Appl
28	138.2	62.0	2931	15	US-10-270-595-1	Sequence 1, Appl
29	120	53.8	533	13	US-09-878-134-182	Sequence 182, App
C 30	120	53.8	533	14	US-10-033-528-1883	Sequence 1883, Ap
C 31	120	53.8	533	15	US-10-099-926-1883	Sequence 1883, Ap
32	115	51.6	401	9	US-09-922-217-34	Sequence 34, Appl
33	115	51.6	401	9	US-09-833-263-34	Sequence 34, Appl
34	115	51.6	401	14	US-10-025-380-34	Sequence 34, Appl
35	100.6	45.1	219	14	US-10-025-167-2	Sequence 2, Appl
36	100.6	45.1	241	14	US-10-025-167-1	Sequence 1, Appl
37	100.6	45.1	334	10	US-09-803-719-2212	Sequence 2212, Ap
38	100.6	45.1	3043	14	US-10-025-167-16	Sequence 16, Appl
39	100.6	45.1	3169	9	US-09-981-353-53	Sequence 53, Appl
40	100.6	45.1	3169	15	US-10-235-994-15	Sequence 15, Appl
41	100.6	45.1	3181	14	US-10-025-167-18	Sequence 18, Appl
42	100.6	45.1	3195	10	US-09-867-034-22	Sequence 22, Appl
43	100.6	45.1	3195	13	US-10-276-115-22	Sequence 22, Appl
44	100.6	45.1	3196	15	US-10-158-646-39	Sequence 39, Appl
45	100.6	45.1	3204	15	US-10-345-680-31	Sequence 31, Appl

ALIGNMENTS

RESULT 1
US-10-305-720-290
; Sequence 290, Application US/10305720
; Publication No. US20040010136A1
; GENERAL INFORMATION:
; APPLICANT: Au-Young, Janice K.; Seilhamer, Jeffrey J.
; TITLE OF INVENTION: Composition for the Detection of Signaling Pathway Gene Expression
; FILE REFERENCE: PA-0002-1 CON
; CURRENT APPLICATION NUMBER: US/10/305,720
; CURRENT FILING DATE: 2002-11-26
; PRIOR APPLICATION NUMBER: 09/016,434
; PRIOR FILING DATE: 1998-01-30
; NUMBER OF SEQ ID NOS: 1490
; SOFTWARE: PERL Program
; SEQ ID NO 290
; LENGTH: 232
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20040010136A1 1737775
US-10-305-720-290

Query Match	100.0%;	Score 223;	DB 16;	Length 232;
Best Local Similarity	100.0%;	Pred. No. 3.9e-67;		
Matches 223;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	1	GAATCAGAGGAGATGATACAGCAATGGGGCCCAATTTAAGAGTTCTCTGTTTCATCTTGATT	60	
Db	10	GAATCAGAGGAGATGATACAGCAATGGGGCCCAATTTAAGAGTTCTCTGTTTCATCTTGATT	69	
Qy	61	CTTCACCTTCTAGAAGGGCCCTGAGTAATTCATCTCATTGAGCTGAACCAATGGCTAT	120	
Db	70	CTTCACCTTCTAGAAGGGCCCTGAGTAATTCATCTCATTGAGCTGAACCAATGGCTAT	129	
Qy	121	GAAGGATGTCGTTGCAATCCCAATGCGCCAGAGATGAACACATCTATTCAACAA	180	

Db 130 GAAGGCATTGTCCTTGAATCGACCCCAATGTGCCAGAGATGAACACTCATTTCAACAA 189
QY 181 ATAAAGGACATGGTGACCCAGGCATCTCTGTATCTGTTTGAAG 223
Db 190 ATAAAGGACATGGTGACCCAGGCATCTCTGTATCTGTTTGAAG 232

RESULT 2

US-10-106-698-1971
; Sequence 1971, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide
; FILE REFERENCE: PA005P1
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 1971
; LENGTH: 2854
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-106-698-1971

Query Match 100.0%; Score 223; DB 15; Length 2854;
Best Local Similarity 100.0%; Pred. No. 1.5e-66;
Matches 223; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GAAATCACAGGAGATGTACAGCAATGGGGCCATTTAAGAGTTCTGTGTTCACTTTGATT 60
Db 11 GAAATCACAGGAGATGTACAGCAATGGGGCCATTTAAGAGTTCTGTGTTCACTTTGATT 70
QY 61 CTTACCTTCTAGAGGGCCCTGAGTAATTAATCACTCATTCAGCTGAACAACTATGGCTAT 120
Db 71 CTTACCTTCTAGAGGGCCCTGAGTAATTAATCACTCATTCAGCTGAACAACTATGGCTAT 130
QY 121 GAAGGCATTGTCCTTGAATCGACCCCAATGTGCCAGAGATGAACACTCATTTCAACAA 180
Db 131 GAAGGCATTGTCCTTGAATCGACCCCAATGTGCCAGAGATGAACACTCATTTCAACAA 190
QY 181 ATAAAGGACATGGTGACCCAGGCATCTCTGTATCTGTTTGAAG 223
Db 191 ATAAAGGACATGGTGACCCAGGCATCTCTGTATCTGTTTGAAG 233

RESULT 3

US-10-106-698-351
; Sequence 351, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide
; FILE REFERENCE: PA005P1
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 351
; LENGTH: 2867
; TYPE: DNA

; ORGANISM: Homo sapiens
US-10-106-698-351
Query Match 100.0%; Score 223; DB 15; Length 2867;
Best Local Similarity 100.0%; Pred. No. 1.5e-66;
Matches 223; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GAAATCACAGGAGATGTACAGCAATGGGGCCATTTAAGAGTTCTGTGTTCACTTTGATT 60
Db 14 GAAATCACAGGAGATGTACAGCAATGGGGCCATTTAAGAGTTCTGTGTTCACTTTGATT 73
QY 61 CTTACCTTCTAGAGGGCCCTGAGTAATTAATCACTCATTCAGCTGAACAACTATGGCTAT 120
Db 74 CTTACCTTCTAGAGGGCCCTGAGTAATTAATCACTCATTCAGCTGAACAACTATGGCTAT 133
QY 121 GAAGGCATTGTCCTTGAATCGACCCCAATGTGCCAGAGATGAACACTCATTTCAACAA 180
Db 134 GAAGGCATTGTCCTTGAATCGACCCCAATGTGCCAGAGATGAACACTCATTTCAACAA 193
QY 181 ATAAAGGACATGGTGACCCAGGCATCTCTGTATCTGTTTGAAG 223
Db 194 ATAAAGGACATGGTGACCCAGGCATCTCTGTATCTGTTTGAAG 236

RESULT 4

US-09-823-356-25
; Sequence 25, Application US/09823356
; Patent No. US20010025098A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Bandman, Olga
; APPLICANT: Lal, Preeti
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Yue, Henry
; APPLICANT: Corley, Neil C.
; APPLICANT: Guegler, Karl J.
; APPLICANT: Kaser, Matthew R.
; APPLICANT: Baughn, Mariah R.
; APPLICANT: Shah, Purvi
; TITLE OF INVENTION: HUMAN MEMBRANE SPANNING PROTEINS
; FILE REFERENCE: PF-0489-1 CON
; CURRENT APPLICATION NUMBER: US/09/823,356
; CURRENT FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/039,307
; PRIOR FILING DATE: 1998 March 13
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PERL Program
; SEQ ID NO 25
; LENGTH: 3111
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20010025098A1 1737775
US-09-823-356-25

Query Match 100.0%; Score 223; DB 9; Length 3111;
Best Local Similarity 100.0%; Pred. No. 1.6e-66;
Matches 223; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GAAATCACAGGAGATGTACAGCAATGGGGCCATTTAAGAGTTCTGTGTTCACTTTGATT 60
Db 10 GAAATCACAGGAGATGTACAGCAATGGGGCCATTTAAGAGTTCTGTGTTCACTTTGATT 69
QY 61 CTTACCTTCTAGAGGGCCCTGAGTAATTAATCACTCATTCAGCTGAACAACTATGGCTAT 120
Db 70 CTTACCTTCTAGAGGGCCCTGAGTAATTAATCACTCATTCAGCTGAACAACTATGGCTAT 129
QY 121 GAAGGCATTGTCCTTGAATCGACCCCAATGTGCCAGAGATGAACACTCATTTCAACAA 180
Db 130 GAAGGCATTGTCCTTGAATCGACCCCAATGTGCCAGAGATGAACACTCATTTCAACAA 189
QY 181 ATAAAGGACATGGTGACCCAGGCATCTCTGTATCTGTTTGAAG 223

Db 190 ATAAAGGACATGGTGAGCCAGGCATCTCTGTATCTGTTGAAG 232
|||||

RESULT 5

US-09-981-353-191
; Sequence 191, Application US/09981353
; Patent No. US20020160382A1
; GENERAL INFORMATION:
; APPLICANT: Lasek, Amy W.
; APPLICANT: Jones, David A.
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0038 US
; CURRENT APPLICATION NUMBER: US/09/981,353
; CURRENT FILING DATE: 2001-10-11
; NUMBER OF SEQ ID NOS: 194
; SOFTWARE: PERL Program
; SEQ ID NO 191
; LENGTH: 3111
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20020160382A1 173775CB1
US-09-981-353-191

Query Match 100.0%; Score 223; DB 9; Length 3111;
Best Local Similarity 100.0%; Pred. No. 1.6e-66; Indels 0; Gaps 0;
Matches 223; Conservative 0; Mismatches 0;

QY 1 GAAATCACAGGAGATGTACAGCAATGGGGCCATTTAAGAGTTCTGTGTTCACTTTGATT 60
|||
Db 10 GAAATCACAGGAGATGTACAGCAATGGGGCCATTTAAGAGTTCTGTGTTCACTTTGATT 69
|||
QY 61 CTTCACTTCTAGAGGGCCCTGAGTAATTCATCTATTGAGTGAACAATGGCTAT 120
|||
Db 70 CTTCACTTCTAGAGGGCCCTGAGTAATTCATCTATTGAGTGAACAATGGCTAT 129
|||
QY 121 GAAGGCATTGTCTGCAATCGACCCCAATGTGCCAGAGATGAAACACTCATTCAACAA 180
|||
Db 130 GAAGGCATTGTCTGCAATCGACCCCAATGTGCCAGAGATGAAACACTCATTCAACAA 189
|||
QY 181 ATAAAGGACATGGTGAGCCAGGCATCTCTGTATCTGTTGAAG 223
|||
Db 190 ATAAAGGACATGGTGAGCCAGGCATCTCTGTATCTGTTGAAG 232
|||

RESULT 6

US-10-235-994-25
; Sequence 25, Application US/10235994
; Publication No. US20030101002A1
; GENERAL INFORMATION:
; APPLICANT: Bartha, Gabor
; APPLICANT: Walker, Michael
; TITLE OF INVENTION: METHODS FOR ANALYZING GENE EXPRESSION PATTERNS
; FILE REFERENCE: ICYTP012
; CURRENT APPLICATION NUMBER: US/10/235,994
; CURRENT FILING DATE: 2002-09-04
; PRIOR APPLICATION NUMBER: US/10/003,608
; PRIOR FILING DATE: 2001-11-01
; PRIOR APPLICATION NUMBER: 60/245,081
; PRIOR FILING DATE: 2000-11-01
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 25
; LENGTH: 3111
; TYPE: DNA
; ORGANISM: Human
US-10-235-994-25

Query Match 100.0%; Score 223; DB 15; Length 3111;
Best Local Similarity 100.0%; Pred. No. 1.6e-66; Indels 0; Gaps 0;
Matches 223; Conservative 0; Mismatches 0;

QY 1 GAAATCACAGGAGATGTACAGCAATGGGGCCATTTAAGAGTTCTGTGTTCACTTTGATT 60
|||
Db 10 GAAATCACAGGAGATGTACAGCAATGGGGCCATTTAAGAGTTCTGTGTTCACTTTGATT 69
|||
QY 61 CTTCACTTCTAGAGGGCCCTGAGTAATTCATCTATTGAGTGAACAATGGCTAT 120
|||
Db 70 CTTCACTTCTAGAGGGCCCTGAGTAATTCATCTATTGAGTGAACAATGGCTAT 129
|||
QY 121 GAAGGCATTGTCTGCAATCGACCCCAATGTGCCAGAGATGAAACACTCATTCAACAA 180
|||
Db 130 GAAGGCATTGTCTGCAATCGACCCCAATGTGCCAGAGATGAAACACTCATTCAACAA 189
|||
QY 181 ATAAAGGACATGGTGAGCCAGGCATCTCTGTATCTGTTGAAG 223
|||
Db 190 ATAAAGGACATGGTGAGCCAGGCATCTCTGTATCTGTTGAAG 232
|||

RESULT 7

US-09-764-868-22
; Sequence 22, Application US/09764868
; Patent No. US20020168711A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PT232
; CURRENT APPLICATION NUMBER: US/09/764,868
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 1510
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 22
; LENGTH: 3267
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-868-22

Query Match 100.0%; Score 223; DB 9; Length 3267;
Best Local Similarity 100.0%; Pred. No. 1.7e-66; Indels 0; Gaps 0;
Matches 223; Conservative 0; Mismatches 0;

QY 1 GAAATCACAGGAGATGTACAGCAATGGGGCCATTTAAGAGTTCTGTGTTCACTTTGATT 60
|||
Db 11 GAAATCACAGGAGATGTACAGCAATGGGGCCATTTAAGAGTTCTGTGTTCACTTTGATT 70
|||
QY 61 CTTCACTTCTAGAGGGCCCTGAGTAATTCATCTATTGAGTGAACAATGGCTAT 120
|||
Db 71 CTTCACTTCTAGAGGGCCCTGAGTAATTCATCTATTGAGTGAACAATGGCTAT 130
|||
QY 121 GAAGGCATTGTCTGCAATCGACCCCAATGTGCCAGAGATGAAACACTCATTCAACAA 180
|||
Db 131 GAAGGCATTGTCTGCAATCGACCCCAATGTGCCAGAGATGAAACACTCATTCAACAA 190
|||
QY 181 ATAAAGGACATGGTGAGCCAGGCATCTCTGTATCTGTTGAAG 223
|||
Db 191 ATAAAGGACATGGTGAGCCAGGCATCTCTGTATCTGTTGAAG 233
|||

RESULT 8

US-10-055-412B-27
; Sequence 27, Application US/10055412B
; Publication No. US20030059861A1
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0058
; CURRENT APPLICATION NUMBER: US/10/055,412B
; CURRENT FILING DATE: 2001-10-29
; PRIOR APPLICATION NUMBER: US/09/193,562
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17

; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 27
; LENGTH: 3007
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-055-412B-27

Query Match 99.3%; Score 221.4; DB 15; Length 3007;
Best Local Similarity 99.6%; Pred. No. 5.7e-66;
Matches 222; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GAAATCACAGGAGATGTACAGCAATGGGGCCCAATTTAAGAGTTCTGTGTTCATCTTGATT 60
DB 23 GGAATCACAGGAGATGTACAGCAATGGGGCCCAATTTAAGAGTTCTGTGTTCATCTTGATT 82
QY 61 CTTACCTTCTAGAGGGCCCTGAGTAATTCATCAATTCAGCTGACCAACAAATGGCTAT 120
DB 83 CTTACCTTCTAGAGGGCCCTGAGTAATTCATCAATTCAGCTGACCAACAAATGGCTAT 142
QY 121 GAAGGCATTGTGTTGCAATCGACCCCAATGTGCCAGAGATGAACACTCATTCAACAA 180
DB 143 GAAGGCATTGTGTTGCAATCGACCCCAATGTGCCAGAGATGAACACTCATTCAACAA 202
QY 181 ATAAAGGACATGGTACCCAGGCATCTCTGTATCTGTATCTGTTGAAG 223
DB 203 ATAAAGGACATGGTACCCAGGCATCTCTGTATCTGTATCTGTTGAAG 245

RESULT 9

US-09-922-217-1056
; Sequence 1056, Application US/09922217
; Patent No. US20020076414A1

; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun

; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather

; APPLICANT: Benson, Darin R.
; APPLICANT: Meagher, Madeleine Joy

; APPLICANT: Stolk, John A.
; APPLICANT: Wang, Tongtong

; APPLICANT: Jiang, Yudi
; APPLICANT: Smith, Carole Lynn

; APPLICANT: King, Gordon E.
; APPLICANT: Wang, Aijun

; APPLICANT: Clapper, Jonathan D.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS

; FILE OF INVENTION: OF COLON CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.471C13

; CURRENT APPLICATION NUMBER: US/09/922.217
; NUMBER OF SEQ ID NOS: 1124

; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1056

; LENGTH: 3311
; TYPE: DNA

; ORGANISM: Homo sapiens
US-09-922-217-1056

Query Match 99.3%; Score 221.4; DB 9; Length 3311;
Best Local Similarity 99.6%; Pred. No. 6e-66;
Matches 222; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GAAATCACAGGAGATGTACAGCAATGGGGCCCAATTTAAGAGTTCTGTGTTCATCTTGATT 60
DB 328 GGAATCACAGGAGATGTACAGCAATGGGGCCCAATTTAAGAGTTCTGTGTTCATCTTGATT 387
QY 61 CTTACCTTCTAGAGGGCCCTGAGTAATTCATCAATTCAGCTGACCAACAAATGGCTAT 120
DB 388 CTTACCTTCTAGAGGGCCCTGAGTAATTCATCAATTCAGCTGACCAACAAATGGCTAT 447
QY 121 GAAGGCATTGTGTTGCAATCGACCCCAATGTGCCAGAGATGAACACTCATTCAACAA 180
DB 448 GAAGGCATTGTGTTGCAATCGACCCCAATGTGCCAGAGATGAACACTCATTCAACAA 507

QY 181 ATAAAGGACATGGTACCCAGGCATCTCTGTATCTGTATCTGTTGAAG 223
DB 508 ATAAAGGACATGGTACCCAGGCATCTCTGTATCTGTATCTGTTGAAG 550

RESULT 10

US-09-833-263-1056

; Sequence 1056, Application US/09833263
; Patent No. US20020110547A1

; GENERAL INFORMATION:
; APPLICANT: Wang, Aijun

; APPLICANT: Clapper, Jonathan D.
; APPLICANT: Stolk, John A.

; APPLICANT: Meagher, Madeleine J.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND

; FILE OF INVENTION: DIAGNOSIS OF COLON CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.471C12

; CURRENT APPLICATION NUMBER: US/09/833.263
; NUMBER OF SEQ ID NOS: 1093

; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1056

; LENGTH: 3311
; TYPE: DNA

; ORGANISM: Homo sapiens
US-09-833-263-1056

Query Match 99.3%; Score 221.4; DB 9; Length 3311;
Best Local Similarity 99.6%; Pred. No. 6e-66;
Matches 222; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GAAATCACAGGAGATGTACAGCAATGGGGCCCAATTTAAGAGTTCTGTGTTCATCTTGATT 60
DB 328 GGAATCACAGGAGATGTACAGCAATGGGGCCCAATTTAAGAGTTCTGTGTTCATCTTGATT 387
QY 61 CTTACCTTCTAGAGGGCCCTGAGTAATTCATCAATTCAGCTGACCAACAAATGGCTAT 120
DB 388 CTTACCTTCTAGAGGGCCCTGAGTAATTCATCAATTCAGCTGACCAACAAATGGCTAT 447
QY 121 GAAGGCATTGTGTTGCAATCGACCCCAATGTGCCAGAGATGAACACTCATTCAACAA 180
DB 448 GAAGGCATTGTGTTGCAATCGACCCCAATGTGCCAGAGATGAACACTCATTCAACAA 507

QY 181 ATAAAGGACATGGTACCCAGGCATCTCTGTATCTGTATCTGTTGAAG 223
DB 508 ATAAAGGACATGGTACCCAGGCATCTCTGTATCTGTATCTGTTGAAG 550

RESULT 11

US-10-025-380-1056

; Sequence 1056, Application US/10025380
; Publication No. US20020182191A1

; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun

; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather

; APPLICANT: Benson, Darin R.
; APPLICANT: Meagher, Madeleine Joy

; APPLICANT: Stolk, John A.
; APPLICANT: Wang, Tongtong

; APPLICANT: Jiang, Yudi
; APPLICANT: Smith, Carole L.

; APPLICANT: King, Gordon E.
; APPLICANT: Wang, Aijun

; APPLICANT: Clapper, Jonathan D.
; APPLICANT: Skeiky, Yasir A. W.

; APPLICANT: Fanger, Gary R.
; APPLICANT: Vedwick Thomas S.

; APPLICANT: Carter, Darrick
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS

; FILE OF INVENTION: OF COLON CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.471C14

; CURRENT APPLICATION NUMBER: US/10/025,380
; CURRENT FILING DATE: 2001-12-19
; NUMBER OF SEQ ID NOS: 1129
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1056
; LENGTH: 3311
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-025-380-1056

Query Match 99.3%; Score 221.4; DB 14; Length 3311;
Best Local Similarity 99.6%; Pred. No. 6e-66; Indels 0; Gaps 0;
Matches 222; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1 GAAATCACAGGAGATGTACAGCAATGGGGCCATTTAAAGAGTTCTGTGTTTCATCTTGATT 60
DB 328 GGAATCACAGGAGATGTACAGCAATGGGGCCATTTAAAGAGTTCTGTGTTTCATCTTGATT 387
QY 61 CTTACCTTCTAGAGGGCCCTGAGTAATTCATCTATTGAGTGAACCAATGGCTAT 120
DB 388 CTTACCTTCTAGAGGGCCCTGAGTAATTCATCTATTGAGTGAACCAATGGCTAT 447
QY 121 GAAGGCATTCTCGTTGCAATCGACCCCAATGTGCCAGAGATGAACACTCATTCAACAA 180
DB 448 GAAGGCATTCTCGTTGCAATCGACCCCAATGTGCCAGAGATGAACACTCATTCAACAA 507
QY 181 ATAAAGGACATGTGACCCAGGCATCTCTGTATCTGTTGAAG 223
DB 508 ATAAAGGACATGTGACCCAGGCATCTCTGTATCTGTTGAAG 550

RESULT 12

US-10-393-590-11
; Sequence 11, Application US/10393590
; Publication No. US20030190656A1
; GENERAL INFORMATION:

; APPLICANT: WANG, YIXIN
; TITLE OF INVENTION: BREAST CANCER PROGNASTIC PORTFOLIO
; FILE REFERENCE: CDS 268 US NP
; CURRENT APPLICATION NUMBER: US/10/393,590
; CURRENT FILING DATE: 2003-03-21
; PRIOR APPLICATION NUMBER: 60/368,789
; PRIOR FILING DATE: 2002-03-29
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 11
; LENGTH: 3311
; TYPE: DNA
; ORGANISM: human
US-10-393-590-11

Query Match 99.3%; Score 221.4; DB 15; Length 3311;
Best Local Similarity 99.6%; Pred. No. 6e-66; Indels 0; Gaps 0;
Matches 222; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1 GAAATCACAGGAGATGTACAGCAATGGGGCCATTTAAAGAGTTCTGTGTTTCATCTTGATT 60
DB 328 GGAATCACAGGAGATGTACAGCAATGGGGCCATTTAAAGAGTTCTGTGTTTCATCTTGATT 387
QY 61 CTTACCTTCTAGAGGGCCCTGAGTAATTCATCTATTGAGTGAACCAATGGCTAT 120
DB 388 CTTACCTTCTAGAGGGCCCTGAGTAATTCATCTATTGAGTGAACCAATGGCTAT 447
QY 121 GAAGGCATTCTCGTTGCAATCGACCCCAATGTGCCAGAGATGAACACTCATTCAACAA 180
DB 448 GAAGGCATTCTCGTTGCAATCGACCCCAATGTGCCAGAGATGAACACTCATTCAACAA 507
QY 181 ATAAAGGACATGTGACCCAGGCATCTCTGTATCTGTTGAAG 223
DB 508 ATAAAGGACATGTGACCCAGGCATCTCTGTATCTGTTGAAG 550

RESULT 13

US-10-393-590-12
; Sequence 12, Application US/10393590
; Publication No. US20030190656A1
; GENERAL INFORMATION:

; APPLICANT: WANG, YIXIN
; TITLE OF INVENTION: BREAST CANCER PROGNASTIC PORTFOLIO
; FILE REFERENCE: CDS 268 US NP
; CURRENT APPLICATION NUMBER: US/10/393,590
; CURRENT FILING DATE: 2003-03-21
; PRIOR APPLICATION NUMBER: 60/368,789
; PRIOR FILING DATE: 2002-03-29
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 12
; LENGTH: 3311
; TYPE: DNA
; ORGANISM: human
US-10-393-590-12

Query Match 99.3%; Score 221.4; DB 15; Length 3311;
Best Local Similarity 99.6%; Pred. No. 6e-66; Indels 0; Gaps 0;
Matches 222; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1 GAAATCACAGGAGATGTACAGCAATGGGGCCATTTAAAGAGTTCTGTGTTTCATCTTGATT 60
DB 328 GGAATCACAGGAGATGTACAGCAATGGGGCCATTTAAAGAGTTCTGTGTTTCATCTTGATT 387
QY 61 CTTACCTTCTAGAGGGCCCTGAGTAATTCATCTATTGAGTGAACCAATGGCTAT 120
DB 388 CTTACCTTCTAGAGGGCCCTGAGTAATTCATCTATTGAGTGAACCAATGGCTAT 447
QY 121 GAAGGCATTCTCGTTGCAATCGACCCCAATGTGCCAGAGATGAACACTCATTCAACAA 180
DB 448 GAAGGCATTCTCGTTGCAATCGACCCCAATGTGCCAGAGATGAACACTCATTCAACAA 507
QY 181 ATAAAGGACATGTGACCCAGGCATCTCTGTATCTGTTGAAG 223
DB 508 ATAAAGGACATGTGACCCAGGCATCTCTGTATCTGTTGAAG 550

RESULT 14

US-10-393-590-46
; Sequence 46, Application US/10393590
; Publication No. US20030190656A1
; GENERAL INFORMATION:

; APPLICANT: WANG, YIXIN
; TITLE OF INVENTION: BREAST CANCER PROGNASTIC PORTFOLIO
; FILE REFERENCE: CDS 268 US NP
; CURRENT APPLICATION NUMBER: US/10/393,590
; CURRENT FILING DATE: 2003-03-21
; PRIOR APPLICATION NUMBER: 60/368,789
; PRIOR FILING DATE: 2002-03-29
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 46
; LENGTH: 3311
; TYPE: DNA
; ORGANISM: human
US-10-393-590-46

Query Match 99.3%; Score 221.4; DB 15; Length 3311;
Best Local Similarity 99.6%; Pred. No. 6e-66; Indels 0; Gaps 0;
Matches 222; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1 GAAATCACAGGAGATGTACAGCAATGGGGCCATTTAAAGAGTTCTGTGTTTCATCTTGATT 60
DB 328 GGAATCACAGGAGATGTACAGCAATGGGGCCATTTAAAGAGTTCTGTGTTTCATCTTGATT 387
QY 61 CTTACCTTCTAGAGGGCCCTGAGTAATTCATCTATTGAGTGAACCAATGGCTAT 120
DB 388 CTTACCTTCTAGAGGGCCCTGAGTAATTCATCTATTGAGTGAACCAATGGCTAT 447
QY 121 GAAGGCATTCTCGTTGCAATCGACCCCAATGTGCCAGAGATGAACACTCATTCAACAA 180

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Db      448 GAAGGCATTGTCGTTGCAATCGACCCCAATGTGCCAGAGATGAAACACTCATTCAACAA 507
Qy      181 ATAAAGGACATGGTGACCCAGGCATCTCTGTATCTGTTTGAAG 223
Db      508 ATAAAGGACATGGTGACCCAGGCATCTCTGTATCTGTTTGAAG 550
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RESULT 15

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US-10-393-590-47
; Sequence 47, Application US/10393590
; Publication No. US20030190656A1
; GENERAL INFORMATION:
; APPLICANT: WANG, YIXIN
; TITLE OF INVENTION: BREAST CANCER PROGNASTIC PORTFOLIO
; FILE REFERENCE: CDS 268 US NP
; CURRENT APPLICATION NUMBER: US/10/393,590
; CURRENT FILING DATE: 2003-03-21
; PRIOR APPLICATION NUMBER: 60/368,789
; PRIOR FILING DATE: 2002-03-29
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 47
; LENGTH: 3311
; TYPE: DNA
; ORGANISM: human
US-10-393-590-47
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Best Local Similarity 99.6%; Pred. No. 6e-66;
Matches 222; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      1  GAAATCACAGGGAGATGACAGCAATGGGGCCATTTAAGAGTTCTGTGTTTCATCTTGATT 60
Db      328 GGAATCACAGGGAGATGTACAGCAATGGGGCCATTTAAGAGTTCTGTGTTTCATCTTGATT 387

Qy      61  CTTACCTTCTAGAGGGGCCCTGAGTAATTCACCTCAGCTGAACAAACAATGGCTAT 120
Db      388 CTTACCTTCTAGAGGGGCCCTGAGTAATTCACCTCAGCTGAACAAACAATGGCTAT 447

Qy      121 GAAGGCATTGTCGTTGCAATCGACCCCAATGTGCCAGAGATGAAACACTCATTCAACAA 180
Db      448 GAAGGCATTGTCGTTGCAATCGACCCCAATGTGCCAGAGATGAAACACTCATTCAACAA 507

Qy      181 ATAAAGGACATGGTGACCCAGGCATCTCTGTATCTGTTTGAAG 223
Db      508 ATAAAGGACATGGTGACCCAGGCATCTCTGTATCTGTTTGAAG 550
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Search completed: April 24, 2004, 06:38:09
Job time : 121.341 secs

GenCore version 5.1.6
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OM nucleic - protein search, using frame_plus_n2p model

Run on: April 21, 2004, 16:13:49 ; Search time 32.1054 Seconds
(without alignments)
3840.718 Million cell updates/sec

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Perfect score: 391
Sequence: 1 GAATACACAGGAGATGTAC.....ATCTGTATCTGTTTGAAG 223

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Searched: 1133595 seqs, 276475211 residues

Total number of hits satisfying chosen parameters: 2267190

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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-LOOPCL=0 -LOOPEXT=0 -UNITS=bits -START=1 -END=-1 -MATRIX=blosum62
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-FGAPOP=6 -FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

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- 4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep.*
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- 10: /cgn2_6/ptodata/2/pubpaa/US09B_PUBCOMB.pep.*
- 11: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pep.*
- 12: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep.*
- 13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pep.*
- 14: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep.*
- 15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pep.*
- 16: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
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- 18: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description

1	371	94.9	925	9	US-09-764-868-635	Sequence 635, App
2	371	94.9	925	14	US-10-106-698-6248	Sequence 6248, Ap
3	328	83.9	914	9	US-09-823-356-8	Sequence 8, Appl1
4	328	83.9	914	9	US-09-922-217-1066	Sequence 1066, Ap
5	328	83.9	914	9	US-09-833-263-1066	Sequence 1066, Ap
6	328	83.9	914	9	US-09-981-353-192	Sequence 192, App
7	328	83.9	914	11	US-09-833-245-2054	Sequence 2054, Ap
8	328	83.9	914	13	US-10-025-380-1066	Sequence 1066, Ap
9	328	83.9	914	14	US-10-055-412B-28	Sequence 28, Appl
10	328	83.9	914	14	US-10-270-595-6	Sequence 6, Appl1
11	328	83.9	914	14	US-10-235-994-26	Sequence 26, Appl
12	328	83.9	914	14	US-10-060-255-42	Sequence 42, Appl
13	328	83.9	914	15	US-10-369-214-133	Sequence 133, App
14	257	65.7	913	15	US-10-270-595-2	Sequence 2, Appl1
15	257	65.7	913	15	US-10-369-214-132	Sequence 132, App
16	196.5	50.3	917	9	US-09-981-353-54	Sequence 54, Appl
17	196.5	50.3	917	13	US-10-025-167-41	Sequence 41, Appl
18	196.5	50.3	917	14	US-10-235-994-16	Sequence 16, Appl
19	196.5	50.3	917	14	US-10-345-680-32	Sequence 32, Appl
20	196.5	50.3	917	15	US-10-369-214-134	Sequence 134, App
21	196.5	50.3	917	15	US-10-087-080-34	Sequence 34, Appl
22	196.5	50.3	919	9	US-09-989-722-379	Sequence 379, App
23	196.5	50.3	919	9	US-09-989-723-379	Sequence 379, App
24	196.5	50.3	919	9	US-09-989-279-379	Sequence 379, App
25	196.5	50.3	919	9	US-09-989-727-379	Sequence 379, App
26	196.5	50.3	919	9	US-09-989-731-379	Sequence 379, App
27	196.5	50.3	919	9	US-09-989-732-379	Sequence 379, App
28	196.5	50.3	919	9	US-09-991-073-379	Sequence 379, App
29	196.5	50.3	919	9	US-09-990-442-379	Sequence 379, App
30	196.5	50.3	919	9	US-09-991-163-379	Sequence 379, App
31	196.5	50.3	919	9	US-09-993-604-379	Sequence 379, App
32	196.5	50.3	919	9	US-09-990-456-379	Sequence 379, App
33	196.5	50.3	919	9	US-09-989-721-379	Sequence 379, App
34	196.5	50.3	919	9	US-09-992-598-379	Sequence 379, App
35	196.5	50.3	919	9	US-09-989-293A-379	Sequence 379, App
36	196.5	50.3	919	9	US-09-989-735-379	Sequence 379, App
37	196.5	50.3	919	9	US-09-990-444-379	Sequence 379, App
38	196.5	50.3	919	9	US-09-991-181-379	Sequence 379, App
39	196.5	50.3	919	9	US-09-989-730-379	Sequence 379, App
40	196.5	50.3	919	9	US-09-990-436-379	Sequence 379, App
41	196.5	50.3	919	9	US-09-993-687-379	Sequence 379, App
42	196.5	50.3	919	10	US-09-989-734-379	Sequence 379, App
43	196.5	50.3	919	10	US-09-997-653-379	Sequence 379, App
44	196.5	50.3	919	10	US-09-993-667-379	Sequence 379, App
45	196.5	50.3	919	10	US-09-997-428-379	Sequence 379, App

ALIGNMENTS

RESULT 1
US-09-764-868-635
; Sequence 635, Application US/09764868
; Patent No. US20020168711A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PT232
; CURRENT APPLICATION NUMBER: US/09/764,868
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 1510
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 635
; LENGTH: 925
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-764-868-635

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Pred. No.:	371.00	Matches:	74
Score:	100.00%	Conservative:	0
Percent Similarity:	100.00%	Mismatches:	0
Best Local Similarity:	100.00%		

Query Match:	94.88%	Indels:	0
DB:	9	Gaps:	0
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Db	4	GluiLeThrGlyArgCysThrAlaMetGlyProPheYsSerValPheIleLeuIle	23
Qy	61	CTTCACCTTCTAGAAGGGCCCTGAGTAGTAATTCACCTATTTCAGCTGGAACAACATGGCTAT	120
Db	24	LeuHisLeuLeuGluGlyAlaLeuSerAsnSerLeuIleGlnLeuAsnAsnGlyTyr	43
Qy	121	GAAGGCATTGTCGTTGCAATGACCCCAATGTGCCAGAGATGAAACACTCATTCAACAA	180
Db	44	GluiGlyIleValValAlaIleAspProAsnValProGluAspGluThrLeuIleGlnGln	63
Qy	181	ATAAGGACATGGTGACCCAGGCATCTCTGTATCTGTTTGA	222
Db	64	IleLysAspMetValThrGlnAlaSerLeuTyrLeuPheGlu	77
RESULT 2			
US-10-106-698-6248			
; Sequence 6248, Application US/10106698			
; Publication No. US20030109690A1			
GENERAL INFORMATION:			
; APPLICANT: Ruben et al.			
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and P			
; FILE REFERENCE: PA005PI			
; CURRENT APPLICATION NUMBER: US/10/106,698			
; CURRENT FILING DATE: 2002-03-27			
; PRIOR APPLICATION NUMBER: PCT/US00/26524			
; PRIOR FILING DATE: 2000-09-28			
; PRIOR APPLICATION NUMBER: US 60/157,137			
; PRIOR FILING DATE: 1999-09-29			
; PRIOR APPLICATION NUMBER: US 60/163,280			
; PRIOR FILING DATE: 1999-11-03			
; NUMBER OF SEQ ID NOS: 8564			
; SOFTWARE: PatentIn Ver. 3.0			
; SEQ ID NO 6248			
; LENGTH: 925			
; TYPE: PRT			
; ORGANISM: Homo sapiens			
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Score:	371.00	Matches:	74
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Db	4	GluiLeThrGlyArgCysThrAlaMetGlyProPheYsSerValPheIleLeuIle	23
Qy	61	CTTCACCTTCTAGAAGGGCCCTGAGTAGTAATTCACCTATTTCAGCTGGAACAACATGGCTAT	120
Db	24	LeuHisLeuLeuGluGlyAlaLeuSerAsnSerLeuIleGlnLeuAsnAsnGlyTyr	43
Qy	121	GAAGGCATTGTCGTTGCAATGACCCCAATGTGCCAGAGATGAAACACTCATTCAACAA	180
Db	44	GluiGlyIleValValAlaIleAspProAsnValProGluAspGluThrLeuIleGlnGln	63
Qy	181	ATAAGGACATGGTGACCCAGGCATCTCTGTATCTGTTTGA	222
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US-09-823-356-8			

; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; FILE REFERENCE: 210121.471C13
; CURRENT APPLICATION NUMBER: US/09/221,217
; CURRENT FILING DATE: 2001-08-03
; NUMBER OF SEQ ID NOS: 1124
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1066
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-922-217-1066

Alignment Scores:
Pred. No.: 1,73e-34 Length: 914
Score: 328.00 Matches: 66
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 83.89% Indels: 0
DB: 9 Gaps: 0

US-09-049-696-1 (1-223) x US-09-922-217-1066 (1-914)

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QY 85 AGTAATTCACCTCATTGAGTGAACAACAAATGGCTATGCTTCAAGGCAATGTCGTTGCAATCGAC 144
Db 21 SerAsnSerLeuIleGlnLeuAsnAsnGlyTyGluGlyIleValValAlaIleAsp 40
QY 145 CCCAATGTGCCAGAGATGAACACATCTTCAACAAATAAAGACATGTTGACCCAGGCA 204
Db 41 ProAsnValProGluAspGluThrLeuIleGlnIleLeuLysAspMetValThrGlnAla 60
QY 205 TCTCTGTATCTGTTTCAA 222
Db 61 SerLeuTyLeuPheGlu 66

RESULT 5
US-09-833-263-1066
; Sequence 1066, Application US/09833263
; Patent No. US20020110547A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; APPLICANT: Stoik, John A.
; APPLICANT: Meagher, Madeleine J.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND
; FILE REFERENCE: 210121.471C12
; CURRENT APPLICATION NUMBER: US/09/833,263
; CURRENT FILING DATE: 2001-04-10
; NUMBER OF SEQ ID NOS: 1093
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1066
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-833-263-1066

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Pred. No.: 1,73e-34 Length: 914
Score: 328.00 Matches: 66
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 83.89% Indels: 0
DB: 9 Gaps: 0

US-09-049-696-1 (1-223) x US-09-833-263-1066 (1-914)

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QY 85 AGTAATTCACCTCATTGAGTGAACAACAAATGGCTATGCTTCAAGGCAATGTCGTTGCAATCGAC 144
Db 21 SerAsnSerLeuIleGlnLeuAsnAsnGlyTyGluGlyIleValValAlaIleAsp 40
QY 145 CCCAATGTGCCAGAGATGAACACATCTTCAACAAATAAAGACATGTTGACCCAGGCA 204
Db 41 ProAsnValProGluAspGluThrLeuIleGlnIleLeuLysAspMetValThrGlnAla 60
QY 205 TCTCTGTATCTGTTTCAA 222
Db 61 SerLeuTyLeuPheGlu 66

RESULT 6
US-09-981-353-192
; Sequence 192, Application US/09981353
; Patent No. US20020160382A1
; GENERAL INFORMATION:
; APPLICANT: Lasek, Amy W.
; APPLICANT: Jones, David A.
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0038 US
; CURRENT APPLICATION NUMBER: US/09/981,353
; CURRENT FILING DATE: 2001-10-11
; NUMBER OF SEQ ID NOS: 194
; SOFTWARE: PERL Program
; SEQ ID NO 192
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20020160382A1 1737775CD1
US-09-981-353-192

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Pred. No.: 1,73e-34 Length: 914
Score: 328.00 Matches: 66
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 83.89% Indels: 0
DB: 9 Gaps: 0

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Db 21 SerAsnSerLeuIleGlnLeuAsnAsnGlyTyGluGlyIleValValAlaIleAsp 40
QY 145 CCCAATGTGCCAGAGATGAACACATCTTCAACAAATAAAGACATGTTGACCCAGGCA 204
Db 41 ProAsnValProGluAspGluThrLeuIleGlnIleLeuLysAspMetValThrGlnAla 60
QY 205 TCTCTGTATCTGTTTCAA 222
Db 61 SerLeuTyLeuPheGlu 66

RESULT 7
US-09-833-245-2054
; Sequence 2054, Application US/09833245
; Publication No. US20040010134A1
; GENERAL INFORMATION:
; APPLICANT: Human Genome Sciences, Inc.
; TITLE OF INVENTION: Albumin Fusion Proteins
; FILE REFERENCE: PF546PCT
; CURRENT APPLICATION NUMBER: US/09/833,245
; CURRENT FILING DATE: 2001-04-12
; PRIOR APPLICATION NUMBER: 60/229,358


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RESULT 10
US-10-270-595-6
; Sequence 6, Application US/10270595
; Publication No. US20030078409A1
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/10/270,595
; CURRENT FILING DATE: 2002-10-16
; PRIOR APPLICATION NUMBER: US/09/623,624
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,472
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; Remaining prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-270-595-6

Alignment Scores:
Pred. No.: 1.73e-34 Length: 914
Score: 328.00 Matches: 66
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 83.89% Indels: 0
DB: 14 Gaps: 0

US-09-049-696-1 (1-223) x US-10-270-595-6 (1-914)
QY 25 ATGGGGCCATTAAAGATTCTGTGTTTCATCTTGATTCTTCACCTTCTAGAGGGCCCTG 84
Db 1 MetGlyProPheLysSerValPheIleLeuHleLeuLeuGluGlyAlaLeu 20
QY 85 AGTAATTCACTCATTCAGCTGAACAACATGGCTATGAAGGCAATGCTTGCATTCGAC 144
Db 21 SerAsnSerLeuIleGlnLeuAsnAsnGlyTyrGluGlyIleValValAlaIleAsp 40
QY 145 CCCAATGTCCAGAGATGAACACTCATTCACAAATAAGACATGTGACCCAGGCA 204
Db 41 ProAsnValProGluAspGluThrLeuIleGlnIleLysAspMetValThrGlnAla 60
QY 205 TCTCTGTATCTGTTGAA 222
Db 61 SerLeuTyrLeuPheGlu 66

RESULT 11
US-10-235-994-26
; Sequence 26, Application US/10235994
; Publication No. US20030101002A1
; GENERAL INFORMATION:
; APPLICANT: Bartha, Gabor
; APELICANT: Walker, Michael
; TITLE OF INVENTION: METHODS FOR ANALYZING GENE EXPRESSION PATTERNS
; FILE REFERENCE: ICVTP012
; CURRENT APPLICATION NUMBER: US/10/235,994
; CURRENT FILING DATE: 2002-09-04
; PRIOR APPLICATION NUMBER: US/10/003,608
; PRIOR FILING DATE: 2001-11-01
; PRIOR APPLICATION NUMBER: 60/245,081
; PRIOR FILING DATE: 2000-11-01
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 26
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Human
US-10-235-994-26

Alignment Scores:
Pred. No.: 1.73e-34 Length: 914
Score: 328.00 Matches: 66
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 83.89% Indels: 0
DB: 14 Gaps: 0

US-09-049-696-1 (1-223) x US-10-235-994-26 (1-914)
QY 25 ATGGGGCCATTAAAGATTCTGTGTTTCATCTTGATTCTTCACCTTCTAGAGGGCCCTG 84
Db 1 MetGlyProPheLysSerValPheIleLeuHleLeuLeuGluGlyAlaLeu 20
QY 85 AGTAATTCACTCATTCAGCTGAACAACATGGCTATGAAGGCAATGCTTGCATTCGAC 144
Db 21 SerAsnSerLeuIleGlnLeuAsnAsnGlyTyrGluGlyIleValValAlaIleAsp 40
QY 145 CCCAATGTCCAGAGATGAACACTCATTCACAAATAAGACATGTGACCCAGGCA 204
Db 41 ProAsnValProGluAspGluThrLeuIleGlnIleLysAspMetValThrGlnAla 60
QY 205 TCTCTGTATCTGTTGAA 222
Db 61 SerLeuTyrLeuPheGlu 66

RESULT 12
US-10-060-255-42
; Sequence 42, Application US/10060255
; Publication No. US20030113840A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 25 Human secreted proteins
; FILE REFERENCE: PZ042P1
; CURRENT APPLICATION NUMBER: US/10/060,255
; CURRENT FILING DATE: 2002-02-01
; PRIOR APPLICATION NUMBER: 09/781,417
; PRIOR FILING DATE: 2001-02-13
; PRIOR APPLICATION NUMBER: PCT/US00/22325
; PRIOR FILING DATE: 2000-08-15
; PRIOR APPLICATION NUMBER: 60/149,182
; PRIOR FILING DATE: 1999-08-17
; NUMBER OF SEQ ID NOS: 86
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 42
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-060-255-42

Alignment Scores:
Pred. No.: 1.73e-34 Length: 914
Score: 328.00 Matches: 66
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
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; Publication No. US20030232037A1
; GENERAL INFORMATION:
; APPLICANT: Groot, Pieter C.
; APPLICANT: Berghenhouwen van, Bram J.
; APPLICANT: Oosterhout van, Antoon J.M.
; TITLE OF INVENTION: Genes involved in immune related responses observed
; TITLE OF INVENTION: with asthma
; FILE REFERENCE: P53837US00
; CURRENT APPLICATION NUMBER: US/10/369,214
; PRIOR FILING DATE: 2003-02-15
; PRIOR APPLICATION NUMBER: EP 00202867.8
; PRIOR FILING DATE: 2000-08-16
; PRIOR APPLICATION NUMBER: PCT/NL01/00610
; PRIOR FILING DATE: 2001-08-16
; NUMBER OF SEQ ID NOS: 139
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 132
; LENGTH: 913
; TYPE: PRT
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (1)..(913)
; OTHER INFORMATION: /note="Calcium-activated chloride channels Gob-5"
US-10-369-214-132

Alignment Scores:
Pred. No.: 4.88e-25 Length: 913
Score: 257.00 Matches: 53
Percent Similarity: 84.85% Conservative: 3
Best Local Similarity: 80.30% Mismatches: 10
Query Match: 65.73% Indels: 0
DB: 15 Gaps: 0

US-09-049-696-1 (1-223) x US-10-369-214-132 (1-913)
QY 25 ATGGGCCATTAAAGAGTTCTGTGTCATCTTCATCTTCACCTTCTAGAGGGGCCCTG 84
Db ||||| |||||:||||||| ||||| |||||
1 MetGluSerLeuIysSerProValPheLeuLeuIleLeuHisLeuLeuGluGlyValLeu 20
QY 85 AGTAATTCATCTCAGCTGACACACATGGCTATGAGGCATTGCTGTTGCAATCGAC 144
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
21 SerGluSerLeuIleGlnLeuAsnAsnGlyTyxGluGlyIleValIleAlaIleAsp 40
QY 145 CCCAATGTGCCAGAGTAAACACACTCATTCAACAATAAGGACATGGTGACCCAGGCA 204
Db ..... ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
41 HisAspValProGluAspGluAlaLeuIleGlnHisIleLysAspMetValThrGlnAla 60
QY 205 TCTCTGTATCTGTTGAA 222
Db ||| ||||| |||||
61 SerProTyxLeuPheGlu 66
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Search completed: April 21, 2004, 16:38:22
Job time : 35.1054 secs

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GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: April 24, 2004, 00:33:00 ; Search time 20.4982 Seconds
(without alignments)
6037.311 Million cell updates/sec

Title: US-09-049-696-1
Perfect score: 223
Sequence: 1 GAATCAGGAGATGTAC.....ATCTGTATCTGTTGAAG 223

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA:
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2: /cgn2_6/prodata/2/ina/5B COMB.seq.*
3: /cgn2_6/prodata/2/ina/6A COMB.seq.*
4: /cgn2_6/prodata/2/ina/6B COMB.seq.*
5: /cgn2_6/prodata/2/ina/PCTUS COMB.seq.*
6: /cgn2_6/prodata/2/ina/backfile1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	223	100.0	232	4	US-09-016-434-290
2	221.4	99.3	3007	4	US-09-193-562D-27
3	199	89.2	2745	4	US-09-623-624-5
4	138.2	62.0	2931	4	US-09-623-624-1
5	115	51.6	401	3	US-09-221-298-34
6	115	51.6	401	4	US-09-401-064-34
7	100.6	45.1	219	4	US-09-049-698-2
8	100.6	45.1	241	4	US-09-049-698-1
9	100.6	45.1	3043	4	US-09-049-698-16
10	100.6	45.1	3181	4	US-09-049-698-18
11	91	40.8	3317	4	US-09-193-562D-1
12	85.2	38.2	3418	4	US-09-193-562D-29
13	73.8	33.1	3022	4	US-09-193-562D-33
14	50.8	22.8	2773	4	US-09-643-597-358
15	50.8	22.8	2784	4	US-09-643-597-168
16	50.8	22.8	2784	4	US-09-480-884A-168
17	50.8	22.8	2784	4	US-09-542-615A-168
18	50.8	22.8	2784	4	US-09-606-421B-168
19	50.8	22.8	2970	4	US-09-193-562D-31
20	50.8	22.8	3156	4	US-09-919-172-86
21	50.8	22.8	3190	4	US-09-623-624-3
22	50.8	22.8	3362	4	US-09-643-597-167
23	50.8	22.8	3362	4	US-09-480-884A-167
24	50.8	22.8	3362	4	US-09-542-615A-167
25	50.8	22.8	3362	4	US-09-606-421B-167
26	50.8	22.8	3951	4	US-09-643-597-160
27	50.8	22.8	3951	4	US-09-480-884A-160

28	50.8	22.8	3951	4	US-09-542-615A-160	Sequence 160, App
29	50.8	22.8	3951	4	US-09-606-421B-160	Sequence 160, App
30	50.8	22.8	3951	4	US-09-221-107-160	Sequence 160, App
31	50.8	22.8	8031	4	US-09-643-597-254	Sequence 254, App
32	50.8	22.8	8031	4	US-09-480-884A-254	Sequence 254, App
33	50.8	22.8	8031	4	US-09-542-615A-254	Sequence 254, App
34	50.8	22.8	8031	4	US-09-606-421B-254	Sequence 254, App
35	33	14.8	1839	4	US-09-023-655-1367	Sequence 1367, App
36	33	14.8	6924	2	US-08-015-973-2	Sequence 2, Appli
37	33	14.8	6924	1	US-08-448-164-2	Sequence 1, Appli
38	33	14.8	7941	4	US-09-816-703A-1	Sequence 1, Appli
39	31.8	14.3	8930	4	US-09-077-098A-1	Sequence 1, Appli
40	31.4	14.1	1590	4	US-08-771-737-1	Sequence 1, Appli
41	31.4	14.1	1590	4	US-09-954-936-1	Sequence 1, Appli
42	31.4	14.1	1876	2	US-08-466-589-7	Sequence 7, Appli
43	31.4	14.1	1876	2	US-08-700-636-7	Sequence 7, Appli
44	31.4	14.1	1876	3	US-08-467-574-7	Sequence 7, Appli
45	31.4	14.1	1876	4	US-09-217-345-7	Sequence 7, Appli

ALIGNMENTS

RESULT 1
US-09-016-434-290
; Sequence 290, Application US/09016434
; Patent No. 6500938
; GENERAL INFORMATION:
; APPLICANT: Janice Au-Young
; APPLICANT: Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING
; TITLE OF INVENTION: PATHWAY GENE EXPRESSION
; NUMBER OF SEQUENCES: 1490
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/016,434
; FILING DATE: HEREWITH
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Zeller, Karen J.
; REGISTRATION NUMBER: 37,071
; REFERENCE/DOCKET NUMBER: PA-0002 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 290:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 232 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: COLN022
; CLONE: 1737775
US-09-016-434-290

Query Match 100.0%; Score 223; DB 4; Length 232;
Best Local Similarity 100.0%; Pred. No. 6e-65;

Query Match	51.6%	Score 115;	DB 3;	Length 401;
Best Local Similarity	100.0%;	Pred. No. 7.7e-29;		
Matches 115;	Conservative	0;	Mismatches 0;	Gaps 0;
			Indels	0;

; ZIP: 60064-3300
; COMPUTER READABLE FORM.

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/ ZIP: 60064-3500
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Diskette
/ OPERATING SYSTEM: DOS
/ SOFTWARE: FastSeq for Windows Version 2.0
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/09/049,698
/ FILING DATE:
/ CLASSIFICATION:
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 08/828,856
/ FILING DATE: 31-MAR-1997
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Becker, Cheryl L.
/ REGISTRATION NUMBER: 35,441
/ REFERENCE/DOCKET NUMBER: 6068.US.P1
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 847/935-1729
/ TELEFAX: 847/938-2623
/ TELEX:
/ INFORMATION FOR SEQ ID NO: 16:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 3043 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ US-09-049-698-16

Query Match 45.1%; Score 100.6; DB 4; Length 3043;
Best Local Similarity 71.9%; Pred. No. 1.3e-23;
Matches 146; Conservative 0; Mismatches 54; Indels 3; Gaps 1;

QY 21 AGCAATGGGGCCATTTAAGAGTTCTGTGTTTCATCTTGTGTTTTCACCTTCTAGAGGGGC 80
DB 10 AACATGGGGTTATTCAGAGTTTGTTCCTTCTAGTTCTGCTGCTGCACCAAGC 69

QY 81 CCTGAGTAATTCATCTCAGCTGAGCAACAACTGCTATGAGGCAATGCTGTTGCAAT 140
DB 70 ---AATACTCTCTCATTAAGCTGAATAATATGCTTTGAAGATATGTCATGTTAT 126

QY 141 CGACCCCAATGCGCAGAGATGAACACTCATTCAACAAATAAGGACATGCTGACCCA 200
DB 127 AGATCTAGTGTGCCAGAGATGAAAAATAATTGAACAAATAGAGGATATGCTGACTAC 186

QY 201 GCATCTCTGTATCTGTTGAAG 223
DB 187 AGCTTCTAGTACCTGTTTGAAG 209

RESULT 10
US-09-049-698-18
/ Sequence 18, Application US/09049698
/ Patent No. 6368792
/ GENERAL INFORMATION:
/ APPLICANT: BILLING-MEDEL, PATRICIA A.
/ APPLICANT: COHEN, MAURICE
/ APPLICANT: COLPITTS, TRACEY L.
/ APPLICANT: FRIEDMAN, PAULA N.
/ APPLICANT: HAYDEN, MARK
/ APPLICANT: KLASS, MICHAEL R.
/ APPLICANT: ROBERTS-RAPP, LISA
/ APPLICANT: RUSSELL, JOHN C.
/ APPLICANT: STROUPE, STEPHEN D.
/ TITLE OF INVENTION: REAGENTS AND METHODS FOR THE
/ TITLE OF INVENTION: REAGENTS FOR DETECTING DISEASES OF THE GASTROINTESTINAL
/ TITLE OF INVENTION: TRACT
/ NUMBER OF SEQUENCES: 51
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Abbott Laboratories
/ STREET: 100 Abbott Park Road
/ CITY: Abbott Park
/ STATE: IL

/ COUNTRY: USA
/ ZIP: 60064-3500
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Diskette
/ OPERATING SYSTEM: DOS
/ SOFTWARE: FastSeq for Windows Version 2.0
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/09/049,698
/ FILING DATE:
/ CLASSIFICATION:
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 08/828,856
/ FILING DATE: 31-MAR-1997
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Becker, Cheryl L.
/ REGISTRATION NUMBER: 35,441
/ REFERENCE/DOCKET NUMBER: 6068.US.P1
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 847/935-1729
/ TELEFAX: 847/938-2623
/ TELEX:
/ INFORMATION FOR SEQ ID NO: 18:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 3181 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ US-09-049-698-18

Query Match 45.1%; Score 100.6; DB 4; Length 3181;
Best Local Similarity 71.9%; Pred. No. 1.3e-23;
Matches 146; Conservative 0; Mismatches 54; Indels 3; Gaps 1;

QY 21 ACCAATGGGGCCATTTAAGAGTTCTGTGTTTCATCTTGTGTTTTCACCTTCTAGAGGGGC 80
DB 21 AACATGGGGTTATTCAGAGTTTGTTCCTTCTAGTTCTGCTGCTGCACCAAGC 80

QY 81 CCTGAGTAATTCATCTCAGCTGAGCAACAACTGCTATGAGGCAATGCTGTTGCAAT 140
DB 81 ---AATACTCTCTCATTAAGCTGAATAATATGCTTTGAAGATATGTCATGTTAT 137

QY 141 CGACCCCAATGCGCAGAGATGAACACTCATTCAACAAATAAGGACATGCTGACCCA 200
DB 138 AGATCTAGTGTGCCAGAGATGAAAAATAATTGAACAAATAGAGGATATGCTGACTAC 197

QY 201 GCATCTCTGTATCTGTTGAAG 223
DB 198 AGCTTCTAGTACCTGTTTGAAG 220

RESULT 11
US-09-193-562D-1
/ Sequence 1, Application US/09193562D
/ Patent No. 6309857
/ GENERAL INFORMATION:
/ APPLICANT: Pauli, Benedicht U.
/ TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
/ TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
/ FILE REFERENCE: 18617.0052
/ CURRENT APPLICATION NUMBER: US/09/193,562D
/ CURRENT FILING DATE: 1998-11-17
/ PRIOR APPLICATION NUMBER: US/60/065,922
/ PRIOR FILING DATE: 1997-11-17
/ NUMBER OF SEQ ID NOS: 47
/ SEQ ID NO 1
/ LENGTH: 3317
/ TYPE: DNA
/ ORGANISM: Unknown
/ FEATURE:
/ OTHER INFORMATION: sequence encoding Lu-ECAM-1 and Lu-ECAM-1 associated
/ OTHER INFORMATION: protein from bovine endothelial cells
/ US-09-193-562D-1

Query Match 40.8%; Score 91; DB 4; Length 3317;
Best Local Similarity 66.7%; Pred. No. 2.1e-20;
Matches 146; Conservative 0; Mismatches 70; Indels 3; Gaps 1;

QY 5 TCACAGGAGATGTACAGCAATGGGGCCCAATTAAGAGTTCTGTGTCATCTTGTATCTTC 64
DB 43 TTACTGTAACTATGTCAGAAATGGTCTCTGTCTGAATGTATCTGTCTTCTTAACTTTGC 102

QY 65 ACCTTCTAGAGGGGCCCTGAGTAATCTCACTCAGCTGACACACATGCTATGAG 124
DB 103 ATCTCTTGCTGTG---AATGAAAGTTCATGTAATGTAATTAACAATGGGTATGATG 159

QY 125 GCATTGCTGTGCAATGCGACCCCAATGTCGAGAGATGAAACACTTCATTCAACAAATAA 184
DB 160 GCATTGCTCAATTAACCCAGTGTGCCAGAGATGAAAACATTCATTGAAACATAA 219

QY 185 AGGACATGTGACCCAGGATCTCTCTATCTGTGTTGAAG 223
DB 220 AGGAATGTAACCTGAAGCTTCTACTTACTCTGTTTCATG 258

RESULT 12

US-09-193-562D-29
; Sequence 29, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; CURRENT FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 29
; LENGTH: 3418
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-193-562D-29

Query Match 38.2%; Score 85.2; DB 4; Length 3418;
Best Local Similarity 67.4%; Pred. No. 1.8e-18;
Matches 120; Conservative 0; Mismatches 58; Indels 0; Gaps 0;

QY 46 GTGTTCACTTCTGATCTTCCACCTTCTAGAGGGGCCCTGAGTAATTCATCTCAGCTG 105
DB 37 GTGATCTCTTCTCTATCTCTCTCTGCTGTATTGAAAAGCTCACTGGTAACCTTG 96

QY 106 AACACAATGGCTATGAGGCAATGTCGTTGCAATGCCCAATGTCGAGAGATGAA 165
DB 97 AATAACAATGGATATGATGGCATTTGATGCAATTAATCCAGTGTACGAGAGATGAA 156

QY 166 ACACCTATTCAACAATAAAGGACATGTGACCCAGGCATCTCTGTATCTGTTTGAAG 223
DB 157 AAACCTATTCAACAATAAAGGAATGTAAGTGAATGAGCATCTACTCACCTGTTTCATG 214

RESULT 13

US-09-193-562D-33
; Sequence 33, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; CURRENT FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47

; SEQ ID NO 33
; LENGTH: 3022
; TYPE: DNA
; ORGANISM: Mus musculus
US-09-193-562D-33

Query Match 33.1%; Score 73.8; DB 4; Length 3022;
Best Local Similarity 72.2%; Pred. No. 1.1e-14;
Matches 96; Conservative 0; Mismatches 37; Indels 0; Gaps 0;

QY 91 TCACCTATTCACTGAAACAACATGCTATGAGCATTTGCTTGCAATCGACCCCAAT 150
DB 81 TCCATGGTGCATCTCAACAGCAATGATACGAGGGTGTGTCATTGCCATTAACCCCACT 140

QY 151 GTGCCAGAGATGAACACTCACTCAACAAATAAAGGACATGGTGACCCAGCATCTCTG 210
DB 141 GTGCCAGAGAGCAAGGCTCATCCAGCATAAAGGAAATGGTAACCTCAAGCTTCTACC 200

QY 211 TATCTGTTTGAAG 223
DB 201 TACCTGTTTGAAG 213

RESULT 14

US-09-643-597-358
; Sequence 358, Application US/09643597
; Patent No. 6426072
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy
; APPLICANT: Fanger, Gary R.
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Henderson, Robert A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.455C11
; CURRENT APPLICATION NUMBER: US/09/643,597
; CURRENT FILING DATE: 2000-08-21
; NUMBER OF SEQ ID NOS: 369
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 358
; LENGTH: 2773
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-643-597-358

Query Match 22.8%; Score 50.8; DB 4; Length 2773;
Best Local Similarity 62.7%; Pred. No. 4.8e-07;
Matches 79; Conservative 0; Mismatches 47; Indels 0; Gaps 0;

QY 98 TTCACCTGACCAACAATGCTATGAGCATTTGCTTGCAATCGACCCCAATGTCGCAAG 157
DB 32 TACAGCTTCAGACAATGGGTATATGATTTGCTCAATGCAATTAATCTCAGGTACCTG 91

QY 158 AAGATGAAACACTCAATCAACAAATAAAGGACATGGTGACCCAGGCATCTCTGTATCTGT 217
DB 92 AGAATCAGAACCTCATCTCAACACATTAAGGAAATGATACTGAAGCTTCATTTTACCTAT 151

QY 218 TTGAAG 223
DB 152 TTAATG 157

RESULT 15

US-09-643-597-168
; Sequence 168, Application US/09643597
; Patent No. 6426072

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; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy R.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Henderson, Robert A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.455C11
; CURRENT APPLICATION NUMBER: US/09/643,597
; NUMBER OF SEQ ID NOS: 369
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 168
; LENGTH: 2784
; TYPE: DNA
; ORGANISM: Homo sapien
; US-09-643-597-168

Query Match      22.8%; Score 50.8; DB 4; Length 2784;
Best Local Similarity 62.7%; Pred. No. 4.8e-07;
Matches 79; Conservative 0; Mismatches 47; Indels 0; Gaps 0;

Qy 98 TTCAGCTGAACACATGGCTATGAAGGCATTGCTTGCATCGACCCCAATGTGCCAG 157
Db 174 TACAGCTTCAAGACAATGGGTATTAATGGATTGCTCATTGCAATTAATCCTCAGGTACCTG 233
Qy 158 AAGATGAAACACTCATTTCAACAAATAAAGGACATGGTGACCCAGGCATCTCTGTATCTGT 217
Db 234 AGAATCAGAACCTCATCTCAACATTAGGAATGATTAACCTGAAGCTTCAATTTACCTAT 293
Qy 218 TTGAAG 223
Db 294 TTAATG 299

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Search completed: April 24, 2004, 05:00:55
Job time : 22.4982 secs

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		Match	*				
1	328	83.9	914	4	US-09-193-562D-28		Sequence 28, Appl
2	328	83.9	914	4	US-09-623-624-6		Sequence 6, Appl
3	257	65.7	913	4	US-09-623-624-2		Sequence 2, Appl
4	196.5	50.3	917	4	US-09-049-698-41		Sequence 41, Appl
5	187.5	48.0	902	4	US-09-193-562D-34		Sequence 34, Appl
6	187.5	48.0	903	4	US-09-193-562D-46		Sequence 46, Appl
7	187.5	48.0	903	4	US-09-623-624-18		Sequence 18, Appl
8	187	47.8	1000	4	US-09-193-562D-30		Sequence 30, Appl
9	181.5	46.4	342	4	US-09-193-562D-13		Sequence 13, Appl
10	181.5	46.4	795	4	US-09-193-562D-11		Sequence 11, Appl
11	181.5	46.4	821	4	US-09-193-562D-12		Sequence 12, Appl
12	181.5	46.4	905	4	US-09-193-562D-2		Sequence 2, Appl


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Db      20 AsnThrSerPheIleLysLeuAsnAsnGlyPheGluAspIleValIleValIleAep 39
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Qy     145 CCCAAATGTGCCAGAGATGAACAACACTCATTCACCAAAATAAAGGCATGGTGACCAGGCA 204
|||::| |::| |::| |::| |::| |::| |::| |::| |::| |::| |::| |::| |::|
Db      40 ProSerValProGluAspGluLysIleIleGluGlnIleGluAspMetValThrAla 59
:::| |::| |::| |::| |::| |::| |::| |::| |::| |::| |::| |::| |::|
Qy     205 TCCTCTGTATCTGTTTGA 222
||| |::| |::| |::| |::| |::| |::| |::| |::| |::| |::| |::| |::|
Db      60 SerThrTyrLeuPheGlu 65
||| |::| |::| |::| |::| |::| |::| |::| |::| |::| |::| |::| |::|

RESULT 5
US-09-193-562D-34
; Sequence 34, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedict U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193.562D
; CURRENT FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 34
; LENGTH: 902
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-193-562D-34

Alignment Scores:
Pred. No.:          6,86e-18           Length:          902
Score:              187.50             Matches:          38
Percent Similarity: 74.24%             Conservative:    11
Best Local Similarity: 57.58%           Mismatches:     16
Query Match:        47.95%             Indels:         1
DB:                 4                  Gaps:           1

US-09-049-696-1 (1-223) x US-09-193-562D-34 (1-902)
Qy     25 ATGGGGCCATTAAAGATTCTGTGTTTCATCTTGATCTTCACCTTCTAGAAGGGGCCCTG 84
Db      1 MetValProGlyLeuGlnValLeuLeuPheLeuThrHisLeuGlnAsnThr--- 19
::: ||| ::::::::::::::::::::||| ::::| |::|::| |::|::| |::|::| |::|::|
Qy     85 AGTAATTCACCTCATTTCAGCTGAACAACAATGGCTATGAAGGCATGTCTTCCAATCGAC 144
:::| |::| |::| |::| |::| |::| |::| |::| |::| |::| |::| |::| |::|
Db      20 GluSerSerMetValHisLeuAsnSerAsnGlyTyrGluGlyValIleAlaIleAsn 39
:::| |::| |::| |::| |::| |::| |::| |::| |::| |::| |::| |::| |::|
Qy     145 CCCAAATGTGCCAGAGATGAACAACACTCATTCACCAAAATAAAGGCATGGTGACCAGGCA 204
|||::| |::| |::| |::| |::| |::| |::| |::| |::| |::| |::| |::| |::|
Db      40 ProSerValProGluAspGluLysIleIleGluGlnIleGluAspMetValThrAla 59
||| |::| |::| |::| |::| |::| |::| |::| |::| |::| |::| |::| |::|
Qy     205 TCCTCTGTATCTGTTTGA 222
||| |::| |::| |::| |::| |::| |::| |::| |::| |::| |::| |::| |::|
Db      60 SerThrTyrLeuPheGlu 65
||| |::| |::| |::| |::| |::| |::| |::| |::| |::| |::| |::| |::|

RESULT 6
US-09-193-562D-46
; Sequence 46, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedict U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193.562D
; CURRENT FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 46
; LENGTH: 903

```



```
QY 214 CTGTTT 219
Db 63 LeuPhe 64

RESULT 9
US-09-193-562D-13
; Sequence 13, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 13
; LENGTH: 342
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Variant of Lu-ECAM-1 from bovine endothelial cells
US-09-193-562D-13

Alignment Scores:
Pred. No.: 3 69e-17 Length: 342
Score: 181.50 Matches: 35
Percent Similarity: 81.03% Conservative: 12
Best Local Similarity: 60.34% Mismatches: 10
Query Match: 46.42% Indels: 1
DB: 4 Gaps: 1

US-09-049-696-1 (1-223) x US-09-193-562D-13 (1-342)
QY 46 GTGTTTCATCTTGATTTCTTCCACCTTCTAGAGGGCCCTGAGTAATTCACCTCATTCAGCTG 105
Db 8 IleLeuPheLeuThrLeuHisLeuLeuProGly---MetLysSerSerMetValAsnLeu 26
QY 106 AACAAACATGGCTATGACGACATTCGTTGCAATCGACCCCAATGTGCCAGAGATGAA 165
Db 27 IleAsnAsnGlyTyraSpGlyIleValIleAlaIleAsnProSerValProGluAspGlu 46
QY 166 ACACATCATTCACAAATAAAGGACATGTGTGACCCAGGCATCTCTGTATCTGTTT 219
Db 47 LysLeuIleGluAsnIleLysGluMetValThrGluAlaSerThrTyrlLeuPhe 64

RESULT 10
US-09-193-562D-11
; Sequence 11, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 11
; LENGTH: 795
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Variant of Lu-ECAM-1 from bovine endothelial cells
US-09-193-562D-11

Alignment Scores:
Pred. No.: 4 71e-17 Length: 795
Score: 181.50 Matches: 35
Percent Similarity: 81.03% Conservative: 12
Best Local Similarity: 60.34% Mismatches: 10
Query Match: 46.42% Indels: 1
DB: 4 Gaps: 1
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Percent Similarity: 81.03% Conservative: 12
Best Local Similarity: 60.34% Mismatches: 10
Query Match: 46.42% Indels: 1
DB: 4 Gaps: 1

US-09-049-696-1 (1-223) x US-09-193-562D-11 (1-795)
QY 46 GTGTTTCATCTTGATTTCTTCCACCTTCTAGAGGGCCCTGAGTAATTCACCTCATTCAGCTG 105
Db 8 IleLeuPheLeuThrLeuHisLeuLeuProGly---MetLysSerSerMetValAsnLeu 26
QY 106 AACAAACATGGCTATGACGACATTCGTTGCAATCGACCCCAATGTGCCAGAGATGAA 165
Db 27 IleAsnAsnGlyTyraSpGlyIleValIleAlaIleAsnProSerValProGluAspGlu 46
QY 166 ACACATCATTCACAAATAAAGGACATGTGTGACCCAGGCATCTCTGTATCTGTTT 219
Db 47 LysLeuIleGluAsnIleLysGluMetValThrGluAlaSerThrTyrlLeuPhe 64

RESULT 11
US-09-193-562D-12
; Sequence 12, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; CURRENT FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 12
; LENGTH: 821
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Variant of Lu-ECAM-1 from bovine endothelial cells
US-09-193-562D-12

Alignment Scores:
Pred. No.: 4 76e-17 Length: 821
Score: 181.50 Matches: 35
Percent Similarity: 81.03% Conservative: 12
Best Local Similarity: 60.34% Mismatches: 10
Query Match: 46.42% Indels: 1
DB: 4 Gaps: 1

US-09-049-696-1 (1-223) x US-09-193-562D-12 (1-821)
QY 46 GTGTTTCATCTTGATTTCTTCCACCTTCTAGAGGGCCCTGAGTAATTCACCTCATTCAGCTG 105
Db 8 IleLeuPheLeuThrLeuHisLeuLeuProGly---MetLysSerSerMetValAsnLeu 26
QY 106 AACAAACATGGCTATGACGACATTCGTTGCAATCGACCCCAATGTGCCAGAGATGAA 165
Db 27 IleAsnAsnGlyTyraSpGlyIleValIleAlaIleAsnProSerValProGluAspGlu 46
QY 166 ACACATCATTCACAAATAAAGGACATGTGTGACCCAGGCATCTCTGTATCTGTTT 219
Db 47 LysLeuIleGluAsnIleLysGluMetValThrGluAlaSerThrTyrlLeuPhe 64

RESULT 12
US-09-193-562D-2
; Sequence 2, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
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```

; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy A.
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.455C8
; CURRENT APPLICATION NUMBER: US/09/542,615A
; CURRENT FILING DATE: 2000-04-14
; NUMBER OF SEQ ID NOS: 350
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 169
; LENGTH: 592
; TYPE: PRT
; ORGANISM: Homo sapien
; US-09-542-615A-169

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Alignment Scores:
Pred. No.: 2,12e-12 Length: 592
Score: 148.50 Matches: 34
Percent Similarity: 64.10% Conservative: 16
Best Local Similarity: 43.59% Mismatches: 17
Query Match: 37.98% Indels: 11
DB: 4 Gaps: 3

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US-09-049-696-1 (1-223) x US-09-542-615A-169 (1-592)

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QY 4 ATCACAGGAGATGTACAGCAATGGGGCCATTAAAGAGTTCTGTGTTTCATCTTGATTCTT 63
Db 1 MetThrGlnArgSerIleAla---GlyProIleCysAsnLeuLysPheValThrLeuLeu 19
QY 64 CACCTTCTAGAAGGGCCCTGAGTAATTCACCTC-----ATTGAGCTG 105
Db 20 -----ValAlaLeuSerSerGluLeuProPheLeuGlyAlaGlyValGlnLeu 35
QY 106 AACACAATGGCTATGAGGCATTCGTGTCATCGCCCAATCGTCCAGAGATGAA 165
Db 36 GlnAspAsnGlyTyrAsnGlyLeuLeuIleAlaIleAsnProGlnValProGluAsnGln 55
QY 166 ACACCTATTCAACAAATAAGGACATGGTGACCCAGGCATCTCTGTATCTGTTT 219
Db 56 AsnLeuIleSerAsnIleLysGluMetIleThrGluAlaSerPheTyrLeuPhe 73

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GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: April 24, 2004, 04:05:52 ; Search time 1596.38 Seconds
(without alignments)
8424.829 Million cell updates/sec

Title: US-09-049-696-20

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Searched: 2907579 seqs, 2254313464 residues

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Post-processing: Minimum Match 0%

Listing first 45 summaries

Database : Published Applications NA:*

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- 2: /cgn2_6/prodata/2/pubpna/PCT_NEW_PUB.seq:*
- 3: /cgn2_6/prodata/2/pubpna/US06_NEW_PUB.seq:*
- 4: /cgn2_6/prodata/2/pubpna/US06_PUBCOMB.seq:*
- 5: /cgn2_6/prodata/2/pubpna/US07_NEW_PUB.seq:*
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- 19: /cgn2_6/prodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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2	2983	100.0	3111	9	US-09-823-356-25
3	2983	100.0	3111	15	US-10-235-994-25
4	2983	100.0	3267	9	US-09-764-868-22
5	2971.8	99.6	3007	15	US-10-055-412B-27
6	2966.2	99.4	3311	9	US-09-922-217-1056
7	2966.2	99.4	3311	9	US-09-833-263-1056
8	2966.2	99.4	3311	14	US-10-025-380-1056
9	2966.2	99.4	3311	15	US-10-393-590-11
10	2966.2	99.4	3311	15	US-10-393-590-12
11	2966.2	99.4	3311	15	US-10-393-590-46
12	2966.2	99.4	3311	15	US-10-393-590-47
13	2966.2	99.4	3311	15	US-10-393-567-11
14	2966.2	99.4	3311	15	US-10-393-567-12

15	2966.2	99.4	3311	15	US-10-393-567-46	Sequence 46, Appl
16	2966.2	99.4	3311	15	US-10-393-567-47	Sequence 47, Appl
17	2966.2	99.4	3311	15	US-10-394-087-11	Sequence 11, Appl
18	2966.2	99.4	3311	15	US-10-394-087-12	Sequence 12, Appl
19	2966.2	99.4	3311	15	US-10-394-087-46	Sequence 46, Appl
20	2966.2	99.4	3311	15	US-10-394-087-47	Sequence 47, Appl
21	2828.4	94.8	2854	15	US-10-106-698-1971	Sequence 1971, Ap
22	2814.2	94.3	2867	15	US-10-106-698-351	Sequence 351, App
23	2793.6	93.7	3109	15	US-10-106-698-2111	Sequence 2111, Ap
24	2743	92.0	2745	15	US-10-270-595-5	Sequence 5, Appli
25	2489.2	83.4	4569	10	US-09-867-034-3	Sequence 3, Appli
26	2489.2	83.4	4569	13	US-10-276-115-3	Sequence 3, Appli
27	1764	59.1	2931	15	US-10-270-595-1	Sequence 1, Appli
28	1512	50.7	1512	16	US-10-305-720-850	Sequence 850, App
29	1310.2	43.9	3169	9	US-09-981-353-53	Sequence 53, Appl
30	1310.2	43.9	3169	15	US-10-235-994-15	Sequence 15, Appl
31	1310.2	43.9	3204	15	US-10-345-680-31	Sequence 31, Appl
32	1310.2	43.9	3218	16	US-10-087-080-33	Sequence 33, Appl
33	1308.6	43.9	3043	14	US-10-025-167-16	Sequence 16, Appl
34	1308.6	43.9	3181	14	US-10-025-167-18	Sequence 18, Appl
35	1307.8	43.8	2754	15	US-10-345-680-33	Sequence 33, Appl
36	1304	43.7	3265	9	US-09-989-722-378	Sequence 378, App
37	1304	43.7	3265	9	US-09-989-723-378	Sequence 378, App
38	1304	43.7	3265	9	US-09-989-279-378	Sequence 378, App
39	1304	43.7	3265	9	US-09-989-727-378	Sequence 378, App
40	1304	43.7	3265	9	US-09-989-731-378	Sequence 378, App
41	1304	43.7	3265	9	US-09-989-732-378	Sequence 378, App
42	1304	43.7	3265	9	US-09-991-073-378	Sequence 378, App
43	1304	43.7	3265	9	US-09-990-442-378	Sequence 378, App
44	1304	43.7	3265	9	US-09-991-163-378	Sequence 378, App
45	1304	43.7	3265	9	US-09-993-604-378	Sequence 378, App

ALIGNMENTS

RESULT 1

US-09-823-356-25
; Sequence 25, Application US/09823356
; Patent No. US20010025098A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Bandman, Olga
; APPLICANT: Lal, Preeti
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Yue, Henry
; APPLICANT: Corley, Neil C.
; APPLICANT: Guegler, Karl J.
; APPLICANT: Kaser, Matthew R.
; APPLICANT: Baughn, Mariah R.
; APPLICANT: Shah, Purvi
; TITLE OF INVENTION: HUMAN MEMBRANE SPANNING PROTEINS
; FILE REFERENCE: PF-0489-1 CON
; CURRENT APPLICATION NUMBER: US/09/823,356
; CURRENT FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/039,307
; PRIOR FILING DATE: 1998 March 13
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PERL Program
; SEQ ID NO 25
; LENGTH: 3111
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20010025098A1 1737775
US-09-823-356-25

Query Match 100.0%; Score 2983; DB 9; Length 3111;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2983; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GAAATCACAGGAGATGTACAGCAATGGGGCCATTTAAGAGTTCTGTGTTTCATCTTGATT 60

10 GAAATCACAGGAGATGTACAGCAATGGGGCCATTTAAGAGTTCTGTCTCATCTTGATT 69
61 CTTTCACTTTAGAGGGCCCTGAGTAATTCACATTCATTGAGTCAAGCAAAACAAATGGCTAT 120
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Db 2950 TTCTCTGAGGGGCGATATAAATAAATAAATAAATGCTAACAACCTGGGTA 2992
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RESULT 2

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US-09-981-353-191
; Sequence 191, Application US/09981353
; Patent No. US20020160382A1
; GENERAL INFORMATION:
; APPLICANT: Lasek, Amy W.
; APPLICANT: Jones, David A.
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0038 US
; CURRENT APPLICATION NUMBER: US/09/981,353
; CURRENT FILING DATE: 2001-10-11
; NUMBER OF SEQ ID NOS: 194
; SOFTWARE: PERL Program
; SEQ ID NO 191
; LENGTH: 3111
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
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OTHER INFORMATION: Incyte ID No. US20020160382A1 1737775CBI
US-09-981-353-191

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Query Match 100.0%; Score 2983; DB 9; Length 3111;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2983; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 181 ATAAAGACATGTTGACCCAGGCATCTCTGTATCTGTTTGAAGCTACAGGAAGCGATT 240
Db 190 ATAAAGACATGTTGACCCAGGCATCTCTGTATCTGTTTGAAGCTACAGGAAGCGATT 249
QY 241 TATTTCAAAATGTTGCCATTTTGATTTCTGAAACATGGAAGACAAAGGCTGACTATGT 300
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QY 961 AAATCTGGAAGCATGGGCACTGGTAAACCGCTCAATCGACTCAATCAAGCAGCCAGCTT 1020
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970	AAATCTGGAAGCATGGCGACATGGTAAACCGGCTCAATCGATCGAATCAAGCAGGCGCCAGCTT	1029
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1030	TTCTCTGCTGCAGACAGATTGAGCTGGGCTCCTGGGTTGGGATGGTGACATTTGACAGTGCCT	1089
1081	GCCCATGTACAAAGTGAACTCATACAGATAAAACAGTGGCAGTGACAGGGAACAACATCGCC	1140
1090	GCCCATGTACAAAGTGAACTCATACAGATAAAACAGTGGCAGTGACAGGGAACAACATCGCC	1149
1141	AAAGATTATCTGCAGCAGCTTCAGGAGGAGCGTCCATCTGCGACGGGCTTCGATCGGCA	1200
1150	AAAGATTATCTGCAGCAGCTTCAGGAGGAGCGTCCATCTGCGACGGGCTTCGATCGGCA	1209
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1270	GGGGAAGACAACACTATAAGTGGGTCTTTAAAGAGGTCAAAACAAAGTGGTGCCATCATC	1329
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1741	CAAACTTGACCTGACGTGCAGTCCCGGCGTCCAAATGCTACCTGCCCTCCAAATTACA	1800
1750	CAAACTTGACCTGACGTGCAGTCCCGGCGTCCAAATGCTACCTGCCCTCCAAATTACA	1809
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1921	GTGAAATCGAAAACAGTTACTCTGGAACTACTCGATTAATCGACAGGCTGCTGATGCTACT	1980
1930	GTGAAATCGAAAACAGTTACTCTGGAACTACTCGATTAATCGACAGGCTGCTGATGCTACT	1989
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2041	GTAATAAGTGGGGCTCTGGGAGGAGTTAAACGCAAGCCAGACGGAGAGTGATACCCCAAGCAG	2100
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DB	2170	AGACCTGAAATTAATAAGGATGATGTTCAACACAAAGCAAGTGTGTTTCAGCAGACATCC	2229
QY	2221	TCGGGAGGCTCATTTGTGGCTTCTGATGTCGCCAAATGCTCCCATACCTGATCTCTTCCCA	2280
DB	2230	TCGGGAGGCTCATTTGTGGCTTCTGATGTCGCCAAATGCTCCCATACCTGATCTCTTCCCA	2289
QY	2281	CCTGGCCAAATCACCGACCTGAAGGGCGAAATTCACGGGGCGAGTCTCATTAATCTGACT	2340
DB	2290	CCTGGCCAAATCACCGACCTGAAGGGCGAAATTCACGGGGCGAGTCTCATTAATCTGACT	2349
QY	2341	TGGACAGCTCTGGGGATGATTAATGACCATGGAAACAGCTCACAAAGTATATCATTCGAAAT	2400
DB	2350	TGGACAGCTCTGGGGATGATTAATGACCATGGAAACAGCTCACAAAGTATATCATTCGAAAT	2409
QY	2401	AGTACAAGTATCTTGATCTCAGAGACAAGTCCAATGAATCTCTTCAAGTGAATACTACT	2460
DB	2410	AGTACAAGTATCTTGATCTCAGAGACAAGTCCAATGAATCTCTTCAAGTGAATACTACT	2469
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DB	2470	GCTCTCATCCAAAGGAAGCCAACTCTGAGGAAGTCTTTTTGTTTTAAACACAGAAAAATTT	2529
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DB	2650	GAGACACTAGTCCTGATGAAACGCTGCTGCTCTTGTCTCTAAATTCATATCAACAGCACC	2709
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RESULT 3
US-10-235-994-25
; Sequence 25, Application US/10235994
; Publication NO. US20030101002A1
; GENERAL INFORMATION:
; APPLICANT: Bartha, Gabor
; APPLICANT: Walker, Michael
; TITLE OF INVENTION: METHODS FOR ANALYZING GENE EXPRESSION PATTERNS
; FILE REFERENCE: ICYTP012
; CURRENT APPLICATION NUMBER: US/10/235,994
; CURRENT FILING DATE: 2002-09-04

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; PRIOR APPLICATION NUMBER: US/10/003,608
; PRIOR FILING DATE: 2001-11-01
; PRIOR APPLICATION NUMBER: 60/245,081
; PRIOR FILING DATE: 2000-11-01
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 25
; LENGTH: 3111
; TYPE: DNA
; ORGANISM: Human
US-10-235-994-25

Query Match      100.0%; Score 2983; DB 15; Length 3111;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2983; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 661 AATAAGTAAACAGGACTCTATGAAAAGAGTGTGAGTTGTTTCTCCAAATCCCGCCAGAG 720
DB 670 AATAAGTAAACAGGACTCTATGAAAAGAGTGTGAGTTGTTTCTCCAAATCCCGCCAGAG 729
QY 721 GAGAGGCTTCTATATGTTTGCACAAATGTTGATTTCTATAGTTGAAATTTCTGTACAGAA 780
DB 730 GAGAGGCTTCTATATGTTTGCACAAATGTTGATTTCTATAGTTGAAATTTCTGTACAGAA 789
QY 781 CAAAACCAACAAAGAGCTCTCAACAGCAAGCAAAATCBAATGCAATCTCCGAGGACCA 840
DB 790 CAAAACCAACAAAGAGCTCTCAACAGCAAGCAAAATCBAATGCAATCTCCGAGGACCA 849
QY 841 TGGGAAGTGATCCGTGATTTCTGAGGACTTTAAGAAAAACCACTCTATGACAAACAGCCA 900

850 TGGGAAGTGATCCGTGATTTCTGAGGACTTTAAGAAAAACCACTCTATGACAAACAGACCA 909
901 CCAAAATCCCACTCTCTCATTGCTGAGATTGACAAAAGAAATTTGTGTTTAGTCTTGAC 960
910 CCAAAATCCCACTCTCTCATTGCTGAGATTGACAAAAGAAATTTGTGTTTAGTCTTGAC 969
961 AAATCTGGAAGCATGGCGACTGGTAAACCGCCTCAATCGACTGAATCAAGCAGGCGAGCTT 1020
970 AAATCTGGAAGCATGGCGACTGGTAAACCGCCTCAATCGACTGAATCAAGCAGGCGAGCTT 1029
1021 TTCTCTGCTGCAGACAGTTGAGCTGGGGTCTCTGGGTTGGATGGTGAATTTGACAGTCT 1080
1030 TTCTCTGCTGCAGACAGTTGAGCTGGGGTCTCTGGGTTGGATGGTGAATTTGACAGTCT 1089
1081 GCCCATGTACAAAGTGAATCATACAGATAAAACAGTGGCAGTGACAGGAGACACACTCGCC 1140
1090 GCCCATGTACAAAGTGAATCATACAGATAAAACAGTGGCAGTGACAGGAGACACACTCGCC 1149
1141 AAAAGATTACCTGACAGAGCTTTCAGAGGGAAGTCCATCTGACGCGGCTTCGATCGGCA 1200
1150 AAAAGATTACCTGACAGAGCTTTCAGAGGGAAGTCCATCTGACGCGGCTTCGATCGGCA 1209
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1210 TTTACTGTGATTAGGAAGAAATATCCAACTGATGGATCTGAAATTTGTGCTGACGGAT 1269
1261 GGGGAAGACAACTATATAGTGGGTCTTTAAACGAGGTCAAAACAAAGTGGTGCATCATC 1320
1270 GGGGAAGACAACTATATAGTGGGTCTTTAAACGAGGTCAAAACAAAGTGGTGCATCATC 1329
1321 CACACAGTGCCTTTGGGGCCCTCTGACGCTCAAGAACTAGAGGAGCTGCCAAAATGACA 1380
1330 CACACAGTGCCTTTGGGGCCCTCTGACGCTCAAGAACTAGAGGAGCTGCCAAAATGACA 1389
1381 GAGGTTTACAGACATATGCTTCAAGTTCAGAACTAGGCTCCATGATGCTTTT 1440
1390 GAGGTTTACAGACATATGCTTCAAGTTCAGAACTAGGCTCCATGATGCTTTT 1449
1441 GGGGCCCTTTCAATCAGGAATGAGCTGCTCTGACGCTCCATCAGCTTGAGAGTAAG 1500
1450 GGGGCCCTTTCAATCAGGAATGAGCTGCTCTGACGCTCCATCAGCTTGAGAGTAAG 1509
1501 GGATTAACCCCTCCAGAACAGCAGTGGATGAAATGGACAGTGCATCGTGACAGCACCGTG 1560
1510 GGATTAACCCCTCCAGAACAGCAGTGGATGAAATGGACAGTGCATCGTGACAGCACCGTG 1569
1561 GGAAGGACATTTGTTTCTTATACCTTGGACAAACGAGCCTCCCAAAATCCTTCTCTGG 1620
1570 GGAAGGACATTTGTTTCTTATCCTTGGACAAACGAGCCTCCCAAAATCCTTCTCTGG 1629
1621 GATCCAGTGGACAGAACGAGTGGCTTTGAGTGGACAAACACCAAAATGGCCTAC 1680
1630 GATCCAGTGGACAGAACGAGTGGCTTTGAGTGGACAAACACCAAAATGGCCTAC 1689
1681 CTCCAAATCCCAAGCAATTCGTAAGTTGGCACTTTGGAATAACAGTCTGCAAGCAAGCTCA 1740
1690 CTCCAAATCCCAAGCAATTCGTAAGTTGGCACTTTGGAATAACAGTCTGCAAGCAAGCTCA 1749
1741 CAAAACCTTGACCTGATGCTGCTCCGCTGCGTCCAAATGCTACCTGCTCCTCAATTA 1800
1750 CAAAACCTTGACCTGATGCTGCTCCGCTGCGTCCAAATGCTACCTGCTCCTCAATTA 1809
1801 GTGACTTCCAAAACCAACAGGACAGCAATTTCCCGAGCCCTCTGGTGTATGCA 1860
1810 GTGACTTCCAAAACCAACAGGACAGCAATTTCCCGAGCCCTCTGGTGTATGCA 1869
1861 AATAATTCGCAAGGAGCTCCCAATTTCTGAGGCGAGTGTACAGCCCTGATTAATCA 1920
1870 AATAATTCGCAAGGAGCTCCCAATTTCTGAGGCGAGTGTACAGCCCTGATTAATCA 1929
1921 GTGAAATGGAACCAAGTTACCTTGGAACTTACTGGATAATGGAGAGGCTGCTGATCT 1980
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Db 1930 CTGAATGGAAGAAACAGTTACCTTGGAACTACTCGGATAATGGAGCAGGTGCTGATGCTACT 1989
Qy 1981 AAGGATGACGGTGTCTACTCAAGGTATTTCAACAATTATGACACGAATGGTAGATACAGT 2040
Db 1990 AAGGATGACGGTGTCTACTCAAGGTATTTCAACAATTATGACACGAATGGTAGATACAGT 2049
Qy 2041 GTAAAGTGCAGGCTCTCGGAGGAGTTAACGAGCCAGACGAGAGTGATACCCGAGCAG 2100
Db 2050 GTAAAGTGCAGGCTCTCGGAGGAGTTAACGAGCCAGACGAGAGTGATACCCGAGCAG 2109
Qy 2101 AGTGAGACACTGTACATACCTGGCTGGATTTGAGATGATGAATGATGAATGATGAATGATGA 2160
Db 2110 AGTGAGACACTGTACATACCTGGCTGGATTTGAGATGATGAATGATGAATGATGAATGATGA 2169
Qy 2161 AGACCTGAAATTTAATAAGATGATGTTCAACAAGCAAGTGTGTTTTCAGCAGACATCC 2220
Db 2170 AGACCTGAAATTTAATAAGATGATGTTCAACAAGCAAGTGTGTTTTCAGCAGACATCC 2229
Qy 2221 TCGGAGGCTCATTTGTGGCTTCTGATGTCCTCAAAATGCTCCCATACCTGATCTCTTCCCA 2280
Db 2230 TCGGAGGCTCATTTGTGGCTTCTGATGTCCTCAAAATGCTCCCATACCTGATCTCTTCCCA 2289
Qy 2281 CTTGGCCAAATCACCGACCTGAAGCGGAAATTCACGGGGGAGTCTCATTAATCTGACT 2340
Db 2290 CTTGGCCAAATCACCGACCTGAAGCGGAAATTCACGGGGGAGTCTCATTAATCTGACT 2349
Qy 2341 TGGACAGCTCTCGGGGATGATATACCAATGAAACAGCTCAACAGTATATCATCTCGAATA 2400
Db 2350 TGGACAGCTCTCGGGGATGATATACCAATGAAACAGCTCAACAGTATATCATCTCGAATA 2409
Qy 2401 AGTACAAGTATTTCTTGATCTCAGAGACAAAGTTCAATGAATCTCTTCAAGTGAATACTACT 2460
Db 2410 AGTACAAGTATTTCTTGATCTCAGAGACAAAGTTCAATGAATCTCTTCAAGTGAATACTACT 2469
Qy 2461 GCTCTCATCCCCAAAGAAAGCAACTCTGAGGAAGTCTTTTGTGTTTAAACCGAAGAAACAT 2520
Db 2470 GCTCTCATCCCCAAAGAAAGCAACTCTGAGGAAGTCTTTTGTGTTTAAACCGAAGAAACAT 2529
Qy 2521 ACTTTTGAATGACACAGATCTTTTCAATGCTATTCAGGCTGTTGATAAGTGCATCTG 2580
Db 2530 ACTTTTGAATGACACAGATCTTTTCAATGCTATTCAGGCTGTTGATAAGTGCATCTG 2589
Qy 2581 AAATCAGAAATATCAACATTCACAGATATCTTTGTTTATTCCTCCACAGACTCCGCCA 2640
Db 2590 AAATCAGAAATATCAACATTCACAGATATCTTTGTTTATTCCTCCACAGACTCCGCCA 2649
Qy 2641 GAGACCTAGTCTGTGATGAAACGTCGTCCTGCTCTGCTTAATTAATTCATATCAACAGCACC 2700
Db 2650 GAGACACCTAGTCTGTGATGAAACGTCGTCCTGCTCTGCTTAATTAATTCATATCAACAGCACC 2709
Qy 2701 ATTCTGGCATTCACATTTTAAATTTATGGAAGTGGATAGGAACTGCAGCTGTCA 2760
Db 2710 ATTCTGGCATTCACATTTTAAATTTATGGAAGTGGATAGGAACTGCAGCTGTCA 2769
Qy 2761 ATAGCTAGGCTGAATTTTGTGATGATAAATAAATAAATCAATTCATCTTTTGTGA 2820
Db 2770 ATAGCTAGGCTGAATTTTGTGATGATAAATAAATAAATCAATTCATCTTTTGTGA 2829
Qy 2821 TTATATAATTTTCTAAATGATATTTTGAATTTTGAATTTTGAATTTTGAATTTTGAATTTTGA 2880
Db 2830 TTATATAATTTTCTAAATGATATTTTGAATTTTGAATTTTGAATTTTGAATTTTGAATTTTGA 2889
Qy 2881 ATAGTACATTTTATCTAAATGATTTTCTGAGGGGCGATATCTAAATGATTTTATAGC 2940
Db 2890 ATAGTACATTTTATCTAAATGATTTTCTGAGGGGCGATATCTAAATGATTTTATAGC 2949
Qy 2941 TTCTCTGAGGGGCGATATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 2983
Db 2950 TTCTCTGAGGGGCGATATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 2992
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RESULT 4

US-09-764-868-22

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; Sequence 22, Application US/09764868
; Patent No. US20020168711A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PT232
; CURRENT APPLICATION NUMBER: US/09/764,868
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 1510
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 22
; LENGTH: 3267
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-868-22
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Query Match 100.0%; Score 2983; DB 9; Length 3267;

Best Local Similarity 100.0%; Pred. No. 0;

Matches 2983; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 11 GAAATCACAGGAGATGTACAGCAATGGGCCATTTAAGAGTTCTGTGTTTCATCTTGATT 70
Qy 61 CTTCACTTCTAGAGGGGCCCTCAGTAATTCATCTCATTTCAGCTGAAACAAATGGCTAT 120
Db 71 CTTCACTTCTAGAGGGGCCCTCAGTAATTCATCTCATTTCAGCTGAAACAAATGGCTAT 130
Qy 121 GAAGGCATTTGCTGTGCAATCGACCCCAATGTGCCAGAGATGAAACACTCATTCACAA 180
Db 131 GAAGGCATTTGCTGTGCAATCGACCCCAATGTGCCAGAGATGAAACACTCATTCACAA 190
Qy 181 ATAAAGACATGGTGACCCAGGCACTCTGTATCTGTTTGAAGCTACAGGAAGCGATT 240
Db 191 ATAAAGACATGGTGACCCAGGCACTCTGTATCTGTTTGAAGCTACAGGAAGCGATT 250
Qy 241 TATTTCAAAATTTGTCATTTTCCATTTTCAATCTCAAAACATGGAAGACAAAGCGTATCTGTG 300
Db 251 TATTTCAAAATTTGTCATTTTCCATTTTCAATCTCAAAACATGGAAGACAAAGCGTATCTGTG 310
Qy 301 AGACCAAACTTGAGACCTACAAAAATGCTGATGTTTGTGTTGCTGAGTCTACTCTCCA 360
Db 311 AGACCAAACTTGAGACCTACAAAAATGCTGATGTTTGTGTTGCTGAGTCTACTCTCCA 370
Qy 361 GGTATGATGAACCTTACACTGAGCAGATGGGCACTGTGAGAGAGAGGGTGAAGGATC 420
Db 371 GGTATGATGAACCTTACACTGAGCAGATGGGCACTGTGAGAGAGAGGGTGAAGGATC 430
Qy 421 CACCTCACTCTGATTTTCAATGCAAGGAAAAAGTTAGCTGAATATGGACCAAGGTAGG 480
Db 431 CACCTCACTCTGATTTTCAATGCAAGGAAAAAGTTAGCTGAATATGGACCAAGGTAGG 490
Qy 481 GCATTTGTCATGATGGGCTCATCTACGATGGGAGTATTTGACGAGTACAATATGAT 540
Db 491 GCATTTGTCATGATGGGCTCATCTACGATGGGAGTATTTGACGAGTACAATATGAT 550
Qy 541 GAGAAATCTACTTATCCAATGGAAGATACAGCAGTAAAGTGTTCAGCAGGTATTACT 600
Db 551 GAGAAATCTACTTATCCAATGGAAGATACAGCAGTAAAGTGTTCAGCAGGTATTACT 610
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Db 611 GGTACAAATGTAGTAAAGAGTGTCAAGGAGGAGTGTACACCAAAAGATGACATTC 670
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QY 781 CAAACCAACAAAGAGCTCAAAACAGCAAAATCAAAATGCAATCTCCGAGCACA 840
Db 791 CAAACCAACAAAGAGCTCAAAACAGCAAAATCAAAATGCAATCTCCGAGCACA 850
QY 841 TGGGAAGTCATCCGTGATTCGAGGACTTTAAGAAAACCACTCCCTATGACAAACAGCACA 900
Db 851 TGGGAAGTCATCCGTGATTCGAGGACTTTAAGAAAACCACTCCCTATGACAAACAGCACA 910
QY 901 CCAAAATCCCACTTCTCATTTGCTGCAGATTGGAACAAAGAAATTTGTGTGTTTGTCTTGTAC 960
Db 911 CCAAAATCCCACTTCTCATTTGCTGCAGATTGGAACAAAGAAATTTGTGTGTTTGTCTTGTAC 970
QY 961 AAATCTGGAAGCATGGCGACTGGTAACCGCTCAATCGACTGAATCAAGACGCGCAGCTT 1020
Db 971 AAATCTGGAAGCATGGCGACTGGTAACCGCTCAATCGACTGAATCAAGACGCGCAGCTT 1030
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Db 1451 GGGGGCCCTTTCATCAGGAATGGAGTGTCTCTCAGCGCTCCATCCAGCTTCAGAGTAGAG 1510
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Db 1511 GGATTAACCCCTCCAGAACAGCCAGTGGATGAATGGCACAGTGAATCGTGACAGCACCGGTG 1570
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Db 1631 GATCCAGTGGACAGAAAGAGTGGCTTTGTAGTGGACAAAAACCAAAATGGCCCTAC 1690
QY 1681 CTCAAAATCCCAAGGCAATTCAGTGGTGGCTTGGAAATACAGTGTGCAAGCAAGCTCA 1740
Db 1691 CTCAAAATCCCAAGGCAATTCAGTGGTGGCTTGGAAATACAGTGTGCAAGCAAGCTCA 1750
QY 1741 CAAACCTTGACCTGACTGTGACGTCCTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 1800
Db 1751 CAAACCTTGACCTGACTGTGACGTCCTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 1810
QY 1801 GTGACTTCCAAAACGAAACAGGACACCAAGCAATTCCTGAGCCCTCTGCTGATTTATGCA 1860
Db 1811 GTGACTTCCAAAACGAAACAGGACACCAAGCAATTCCTGAGCCCTCTGCTGATTTATGCA 1870
QY 1861 AATATTGCGCAAGGAGCTTCCCAATTTCTCAGGGCCAGTGTACAGCCCTGATTGAATCA 1920

Db 1871 AATATTGCGCAAGGAGCTTCCCAATTTCTCAGGGCCAGTGTACAGCCCTGATTGAATCA 1930
QY 1921 GTGAATGGAAAAACAGTTTACCTTTGGAATACCTTGGAAATATGGAGCAGGTGCTGATGCTACT 1980
Db 1931 GTGAATGGAAAAACAGTTTACCTTTGGAATACCTTGGAAATATGGAGCAGGTGCTGATGCTACT 1990
QY 1981 AAGGATGACGGTGTCTACTCAAGGTATTTCAAACTTATGACACGAATGGTAGATACAGT 2040
Db 1991 AAGGATGACGGTGTCTACTCAAGGTATTTCAAACTTATGACACGAATGGTAGATACAGT 2050
QY 2041 GTAAAAGTGGGGCTCTGGAGAGTTAACGAGCCAGCAGAGAGTGAATCCCGAGCAG 2100
Db 2051 GTAAAAGTGGGGCTCTGGAGAGTTAACGAGCCAGCAGAGAGTGAATCCCGAGCAG 2110
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Db 2111 AGTGGAGCACTCTCATACCTCGCTGGATTGAGAAATGATGAATCAATGGAATCCACCA 2170
QY 2161 AGACCTGAAAATTAATGAAGGATGATTTCAACCAAGCAAGTGTGTTTCAGCAGAAACATCC 2220
Db 2171 AGACCTGAAAATTAATGAAGGATGATTTCAACCAAGCAAGTGTGTTTCAGCAGAAACATCC 2230
QY 2221 TCGGAGGCTCATTTGTGGCTTCTGATGTCCCAATGCTCCATACCTGATCTCTTCCCA 2280
Db 2231 TCGGAGGCTCATTTGTGGCTTCTGATGTCCCAATGCTCCATACCTGATCTCTTCCCA 2290
QY 2281 CTGTGCCAAATCACCGACCTGAAGCGGAAATTCACGGGGGAGTCTCAATTAATCTGACT 2340
Db 2291 CTGTGCCAAATCACCGACCTGAAGCGGAAATTCACGGGGGAGTCTCAATTAATCTGACT 2350
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QY 2401 AGTACAAGTATTTCTGATCTCAGAGCAAGTTCAATGAATCTTCTCAAGTGAATCTACT 2460
Db 2411 AGTACAAGTATTTCTGATCTCAGAGCAAGTTCAATGAATCTTCTCAAGTGAATCTACT 2470
QY 2461 GCTCTCATCCCAAGAGCAAGCTCTGAGGAAGTCTTTTGTGTTTAAACCAAGAAACATTT 2520
Db 2471 GCTCTCATCCCAAGAGCAAGCTCTGAGGAAGTCTTTTGTGTTTAAACCAAGAAACATTT 2530
QY 2521 ACTTTTGAATAATGGCACAGATCTTTTCAATGCTATTCAGGCTGTTGATAGGTGCTG 2580
Db 2531 ACTTTTGAATAATGGCACAGATCTTTTCAATGCTATTCAGGCTGTTGATAGGTGCTG 2590
QY 2581 AAATCAGAAATATCCAAACATTCAGAGTATCTTTGTTTATTCCTCCACAGACTCCGCCA 2640
Db 2591 AAATCAGAAATATCCAAACATTCAGAGTATCTTTGTTTATTCCTCCACAGACTCCGCCA 2650
QY 2641 GAGACACCTAGTCTGATGAAACGCTGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2700
Db 2651 GAGACACCTAGTCTGATGAAACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2710
QY 2701 ATTCCTGGCATTCACATTTTAAATAATATGTCGAAATGATAGAGAACTGCAGCTGTCA 2760
Db 2711 ATTCCTGGCATTCACATTTTAAATAATATGTCGAAATGATAGAGAACTGCAGCTGTCA 2770
QY 2761 ATAGCCTAGGCTGAATTTTGTTCAGATAAATAAATAAATAAATAAATAAATAAATAAATAA 2820
Db 2771 ATAGCCTAGGCTGAATTTTGTTCAGATAAATAAATAAATAAATAAATAAATAAATAAATAA 2830
QY 2821 TTATAAATAATTTCTAATAATGATTTTGTAGACTTCTGTTAGGGGGCGATATCTAAATGTAT 2880
Db 2831 TTATAAATAATTTCTAATAATGATTTTGTAGACTTCTGTTAGGGGGCGATATCTAAATGTAT 2890
QY 2881 ATAGTACATTTTATATACTAAATGATTTTCTGAGGGGGCGATATCTAAATGTATTTTAGAC 2940
Db 2891 ATAGTACATTTTATATACTAAATGATTTTCTGAGGGGGCGATATCTAAATGTATTTTAGAC 2950
QY 2941 TTCCTGTGAGGGGGCGATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATA 2983

Db 2951 TTCTGTAGGGGCGATATAAATAAATGCTAAACAACCTGGGTA 2993

RESULT 5

US-10-055-412B-27

; Sequence 27, Application US/10055412B

; Publication No. US20030059861A1

; GENERAL INFORMATION:

; APPLICANT: Pauli, Benedicht U.

; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium

; FILE OF INVENTION: Activated Chloride Channel-Adhesion Molecules

; FILE REFERENCE: 18617.0058

; CURRENT APPLICATION NUMBER: US/10/055,412B

; CURRENT FILING DATE: 2001-10-29

; PRIOR APPLICATION NUMBER: US/09/193,562

; PRIOR FILING DATE: 1998-11-17

; PRIOR APPLICATION NUMBER: US/60/065,922

; PRIOR FILING DATE: 1997-11-17

; NUMBER OF SEQ ID NOS: 47

; SEQ ID NO 27

; LENGTH: 3007

; TYPE: DNA

; ORGANISM: Homo sapiens

US-10-055-412B-27

Query Match 99.6%; Score 2971.8; DB 15; Length 3007;

Best Local Similarity 99.8%; Pred. No. 0;

Matches 2976; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY	1	GAATACACAGGAGATGTACAGCAATGGGGCCATTAAGAGTTCGTGTTCACTTTGATT	60
DB	23	CGAATACACAGGAGATGTACAGCAATGGGGCCATTAAGAGTTCGTGTTCACTTTGATT	82
QY	61	CTTCACTTCTAGAGGGGCCCTGAGTAATCACTCACTTCACTGACGAACACATGGCTAT	120
DB	83	CTTCACTTCTAGAGGGGCCCTGAGTAATCACTCACTTCACTGACGAACACATGGCTAT	142
QY	121	GAAGCATTTGCTTGCATTCAGCCCAATGTCAGAGATGGAACACACTCAACAA	180
DB	143	GAAGCATTTGCTTGCATTCAGCCCAATGTCAGAGATGGAACACACTCAACAA	202
QY	181	ATAAGGACATGGTGACCCAGCATCTCTGTATCTGTTGAAAGCTACAGGAAGCGATT	240
DB	203	ATAAGGACATGGTGACCCAGCATCTCTGTATCTGTTGAAAGCTACAGGAAGCGATT	262
QY	241	TATTTCAAAATGTTGCCATTTTGTATCTCTGAAACATGGAAGACAAAGCTGACTATGT	300
DB	263	TATTTCAAAATGTTGCCATTTTGTATCTCTGAAACATGGAAGACAAAGCTGACTATGT	322
QY	301	AGACCAAACTTGAGACCTTACAAAATGCTGATGTTCTGTTGCTGAGTCTACTCTCCA	360
DB	323	AGACCAAACTTGAGACCTTACAAAATGCTGATGTTCTGTTGCTGAGTCTACTCTCCA	382
QY	361	GGTAATGATGAACCTTACACTGAGCAGATGGGCAACTGTGGAGAAGGGTGAAGGATC	420
DB	383	GGTAATGATGAACCTTACACTGAGCAGATGGGCAACTGTGGAGAAGGGTGAAGGATC	442
QY	421	CACCTCACTCTGATTTCAATTGACGAAAGGTTAGCTGAAATATGACCAAGAGTAGG	480
DB	443	CACCTCACTCTGATTTCAATTGACGAAAGGTTAGCTGAAATATGACCAAGAGTAGG	502
QY	481	GCATTTGCTCATGAGTGGGCTCATCTACGATGGGAGTATTTGACGAGTACAAATATGAT	540
DB	503	GCATTTGCTCATGAGTGGGCTCATCTACGATGGGAGTATTTGACGAGTACAAATATGAT	562
QY	541	GAGAAATCTACTTATCCAAATGGAAGATACAAAGCAGTAAGATGTTTCAGCAGGTATTACT	600
DB	563	GAGAAATCTACTTATCCAAATGGAAGATACAAAGCAGTAAGATGTTTCAGCAGGTATTACT	622
QY	601	GGTACAAATGTAGTAAGAGTGTGAGGAGGACCTGTTACACCAGTAAGATGACATTC	660
DB	623	GGTACAAATGTAGTAAGAGTGTGAGGAGGACCTGTTACACCAGTAAGATGACATTC	682

QY	661	AATAAGTAAACAGGACTCTATGAAAAAGGATGTGAGTTTGTCTTCAATCCCGCCAGACG	720
DB	683	AATAAGTTACAGGACTCTATGAAAAAGGATGTGAGTTTGTCTTCAATCCCGCCAGACG	742
QY	721	GAGAAGGCTTCTATAAATGTTTGGCAACAATGTTGATTTCTATAGTTGAATTCGTACAGAA	780
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QY	781	CAAAACCAACAAGAGCTCCAAACAAAGCAAAATCAAAATCAAAATCAAAATCAAAATCAAA	840
DB	803	CAAAACCAACAAGAGCTCCAAACAAAGCAAAATCAAAATCAAAATCAAAATCAAAATCAAA	862
QY	841	TGGGAAGTGATCCGTGATTTCTGAGGACTTTAAGAAAAACCACTCCCTATGACAAACAGCCA	900
DB	863	TGGGAAGTGATCCGTGATTTCTGAGGACTTTAAGAAAAACCACTCCCTATGACAAACAGCCA	922
QY	901	CAAAATCCCACTTCTCATTTGCTGAGATTTGGAACAAAGAAATGTTGTTAGTCTTGTAC	960
DB	923	CAAAATCCCACTTCTCATTTGCTGAGATTTGGAACAAAGAAATGTTGTTAGTCTTGTAC	982
QY	961	AAATCTGGAAGCATGGGAGCTGTTAAACCGCTCAATCGACTCAATCAAGCAAGCGCCAGCTT	1020
DB	983	AAATCTGGAAGCATGGGAGCTGTTAAACCGCTCAATCGACTCAATCAAGCAAGCGCCAGCTT	1042
QY	1021	TTCTGTCTGACAGACAGTTGAGTGGGGTCTGGGTTGGGATGGTGACATTTGACAGTGT	1080
DB	1043	TTCTGTCTGACAGACAGTTGAGTGGGGTCTGGGTTGGGATGGTGACATTTGACAGTGT	1102
QY	1081	GCCCATGTACAAAGTGAATCATACAGATAAACAGTAGTGGCAGTGACAGGACACACTCGCC	1140
DB	1103	GCCCATGTACAAAGTGAATCATACAGATAAACAGTAGTGGCAGTGACAGGACACACTCGCC	1162
QY	1141	AAAGATTTACCTGACAGCAGCTTTCAGGAGGAGCTCCATCTCGAGGGGCTTCGATCGGCA	1200
DB	1163	AAAGATTTACCTGACAGCAGCTTTCAGGAGGAGCTCCATCTCGAGGGGCTTCGATCGGCA	1222
QY	1201	TTTACTGTGATTAGGAAGAAATATCCAACTGATGATCTGAAATTTGTGCTGTCAGCGAT	1260
DB	1223	TTTACTGTGATTAGGAAGAAATATCCAACTGATGATCTGAAATTTGTGCTGTCAGCGAT	1282
QY	1261	GGGGAAGACAAACATATAAGTGGGTGTTTAAACGAGGTCAAAACAAAGTGGTGCCATCATC	1320
DB	1283	GGGGAAGACAAACATATAAGTGGGTGTTTAAACGAGGTCAAAACAAAGTGGTGCCATCATC	1342
QY	1321	CACACAGTCTGTTGGGGCCCTCTGACGCTCAAGAACTAGAGGAGCTCTCCAAATGACA	1380
DB	1343	CACACAGTCTGTTGGGGCCCTCTGACGCTCAAGAACTAGAGGAGCTCTCCAAATGACA	1402
QY	1381	GGAGTTTACAGACATATGCTTTCAGATCAAGTTCAAGAACTAGAGGAGCTCTCCAAATGACA	1440
DB	1403	GGAGTTTACAGACATATGCTTTCAGATCAAGTTCAAGAACTAGAGGAGCTCTCCAAATGACA	1462
QY	1441	GGGGCCCTTTTATCAGGAAATGGAGCTGTCTCTAGCGCTCCATCCAGCTTGAGAGTAAG	1500
DB	1463	GGGGCCCTTTTATCAGGAAATGGAGCTGTCTCTAGCGCTCCATCCAGCTTGAGAGTAAG	1522
QY	1501	GGATTAACTTCCAGACAGCCAGTGGATGATGGCAGAGTGTCTGACAGCAGCCG	1560
DB	1523	GGATTAACTTCCAGACAGCCAGTGGATGATGGCAGAGTGTCTGACAGCAGCCG	1582
QY	1561	GGAAAGGACACTTTGTTTCTTATCACCTGGACACAGCAGCTCCCCAAATCTCTCTCGG	1620
DB	1583	GGAAAGGACACTTTGTTTCTTATCACCTGGACACAGCAGCTCCCCAAATCTCTCTCGG	1642
QY	1621	GATCCAGTGGACAGAAAGGTTGGTGTAGTGGACAAACACCAAAATGCGCTTAC	1680
DB	1643	GATCCAGTGGACAGAAAGGTTGGTGTAGTGGACAAACACCAAAATGCGCTTAC	1702
QY	1681	CTCCAAATCCAGCAGCTTAAAGTTGGCACTTGGAAATACAGTCTCAGCAAGCTCA	1740
DB	1703	CTCCAAATCCAGCAGCTTAAAGTTGGCACTTGGAAATACAGTCTCAGCAAGCTCA	1762
QY	1741	CAAACTTTGACCCCTGACTGTGTCACGTCGCGTCCCAATGCTACCTGCTCCCAATTACA	1800

Db 1763 CAACCTTGACCTGACTGTACGTCCTCGTGGTCCAATGCTACCTGCTCCAATTACA 1822
Qy 1801 GTGACTTCCAAACGAACAGACACACAGCAAAATCCCGAGCCCTCTGTGTAGTTATGCA 1860
Db 1823 GTGACTTCCAAACGAACAGACACACAGCAAAATCCCGAGCCCTCTGTGTAGTTATGCA 1882
Qy 1861 AATATTCGCCAGGAGCCTCCCAATTCACGGCCAGTGTACAGCCCTGATTTGAATCA 1920
Db 1893 AATATTCGCCAGGAGCCTCCCAATTCACGGCCAGTGTACAGCCCTGATTTGAATCA 1942
Qy 1921 GTGAATGGAAAAACAGTTACCTTGGAACTACTGGAAATGGAGCAGGTGCTGATGCTACT 1980
Db 1943 GTGAATGGAAAAACAGTTACCTTGGAACTACTGGAAATGGAGCAGGTGCTGATGCTACT 2002
Qy 1981 AAGGATGACGGTGTCTTACTCAAGGTATTTCAACAACCTTATGACACGAATGGTAGACAGT 2040
Db 2003 AAGGATGACGGTGTCTTACTCAAGGTATTTCAACAACCTTATGACACGAATGGTAGACAGT 2062
Qy 2041 GTAAAAGTCGGGCTCTGGGAGAGTTAACGAGCCAGACGGAGAGTGATACCCAGCAG 2100
Db 2063 GTAAAAGTCGGGCTCTGGGAGAGTTAACGAGCCAGACGGAGAGTGATACCCAGCAG 2122
Qy 2101 AGTGGAGCACTGATACATCTGGCTGGATTGAGATGATGAATCAATGGATCCACCA 2160
Db 2123 AGTGGAGCACTGATACATCTGGCTGGATTGAGATGATGAATCAATGGATCCACCA 2182
Qy 2161 AGACCTGAAATTAATAAGGATGATGTTCAACAAGCAAGTGTGTTTACAGAGAATCC 2220
Db 2183 AGACCTGAAATTAATAAGGATGATGTTCAACAAGCAAGTGTGTTTACAGAGAATCC 2242
Qy 2221 TCGGAGGCTCAATTTGTGGCTTCTGATGTCCTCAATGTCCTCCATACCTGATCTTCCCA 2280
Db 2243 TCGGAGGCTCAATTTGTGGCTTCTGATGTCCTCAATGTCCTCCATACCTGATCTTCCCA 2302
Qy 2281 CCTGCCAAATCACCGACTGAGCGGAAATTCAGGGGCGAGTCAATTAATCTGACT 2340
Db 2303 CCTGCCAAATCACCGACTGAGCGGAAATTCAGGGGCGAGTCAATTAATCTGACT 2362
Qy 2341 TGGACAGCTCTCTGGGAGTATGATGACCAATGGAACAGCTCACAAGTATATCATCTCGAATA 2400
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Qy 2401 AGTACAAGTATCTTTGATCTCAGAGCAAGTTCAATGAATCTCTTCAAGTGAATACTACT 2460
Db 2423 AGTACAAGTATCTTTGATCTCAGAGCAAGTTCAATGAATCTCTTCAAGTGAATACTACT 2482
Qy 2461 GCTCTCATCCCAAGGAGCCAACTCTGAGGAAGTCTTTTGTGTTTAAACCAAGAAACATT 2520
Db 2483 GCTCTCATCCCAAGGAGCCAACTCTGAGGAAGTCTTTTGTGTTTAAACCAAGAAACATT 2542
Qy 2521 ACTTTTGAATAATGGCACAGATCTTTTCAATGCTATTTCAGGCTGTTGATAAGGTGATCTG 2580
Db 2543 ACTTTTGAATAATGGCACAGATCTTTTCAATGCTATTTCAGGCTGTTGATAAGGTGATCTG 2602
Qy 2581 AAATCAGAAATATCAACATTCACAGATCTTTGTTTATTTTATTCCTCCAGACTCCGCCA 2640
Db 2603 AAATCAGAAATATCAACATTCACAGATCTTTGTTTATTTATTTCTCCACAGACTCCGCCA 2662
Qy 2641 GAGACACCTAGTCTGTATGAACAGTCTGCTCTTGTCTCTATATTAATTCATATCAACAGCACC 2700
Db 2663 GAGACACCTAGTCTGTATGAACAGTCTGCTCTTGTCTCTATATTAATTCATATCAACAGCACC 2722
Qy 2701 ATTCTGCGATTTCACATTTTAAATAATGTTGGAAGTGTATAGGAGAACTGAGCTGTGCA 2760
Db 2723 ATTCTGCGATTTCACATTTTAAATAATGTTGGAAGTGTATAGGAGAACTGAGCTGTGCA 2782
Qy 2761 ATAGCTAGGCGTGAATTTTGTTCAGATAAATAAATAAATCAATTCATCTCTTTTGTGA 2820
Db 2783 ATAGCTAGGCGTGAATTTTGTTCAGATAAATAAATAAATCAATTCATCTCTTTTGTGA 2842
Qy 2821 TTATAAAAATTTCTAAAAATGTTATTTAGACTTCTCTGTAGGGGCGGATATCTAAATGTTAT 2880

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Db 2903 ATAGTACATTTTATATACTAAATGTTATTCCTGTAGGGGCGGATATCTAAATGTTATTTAGAA 2962
Qy 2941 TTCTCTGTAGGGGCGGATATAAATAAATGTTATTAACAACTGGGTA 2983
Db 2963 TTCTCTGTAGGGGCGGATATAAATAAATGTTATTAACAACTGGGGA 3005

RESULT 6

US-09-922-217-1056
; Sequence 1056, Application US/09922217
; Patent No. US20020076414A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather
; APPLICANT: Benson, Darin R.
; APPLICANT: Meagher, Madeleine Joy
; APPLICANT: Stolk, John A.
; APPLICANT: Wang, Tongtong
; APPLICANT: Jiang, Yugu
; APPLICANT: Smith, Carole Lynn
; APPLICANT: King, Gordon E.
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; TITLE OF INVENTION: OF COLON CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.471C13
; CURRENT APPLICATION NUMBER: US/09/922,217
; CURRENT FILING DATE: 2001-08-03
; NUMBER OF SEQ ID NOS: 1124
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1056
; LENGTH: 3311
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-922-217-1056

Query Match 99.4%; Score 2966.2; DB 9; Length 3311;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 2979; Conservative 0; Mismatches 3; Indels 1; Gaps 1;
Qy 1 GAAATCAGAGGAGATGTACAGCAATGGGCGCATTTAGAGTTCTGTGTCTCATCTTGATT 60
Db 328 GGAATCAGAGGAGATGTACAGCAATGGGCGCATTTAGAGTTCTGTGTCTCATCTTGATT 387
Qy 61 CTTACCTTCTAGAGGGCCCTGAGTAATTCATCTCATTGAGTGAACAACTATGCTAT 120
Db 388 CTTACCTTCTAGAGGGCCCTGAGTAATTCATCTCATTGAGTGAACAACTATGCTAT 447
Qy 121 GAAGCATTGCTGTGCAATGACCCCAATGTCAGAGATGAACAACTATGCTAT 180
Db 448 GAAGCATTGCTGTGCAATGACCCCAATGTCAGAGATGAACAACTATGCTAT 507
Qy 181 ATAAAGGACATGTCACCCAGGCATCTCTGTATCTGTTTGAAGCTACAGAAAGCGATT 240
Db 508 ATAAAGGACATGTCACCCAGGCATCTCTGTATCTGTTTGAAGCTACAGAAAGCGATT 567
Qy 241 TATTTCAAAAATGTTGCCATTTTGAATTCCTGAAAATGGAAGCAAGGCTGACTATG 300
Db 568 TATTTCAAAAATGTTGCCATTTTGAATTCCTGAAAATGGAAGCAAGGCTGACTATG 627
Qy 301 AGACCAAACTTTGAGACCTACAAAATGCTGATGTTCTGTTGCTGAGTCTACTCTCCA 360
Db 628 AGACCAAACTTTGAGACCTACAAAATGCTGATGTTCTGTTGCTGAGTCTACTCTCCA 687
Qy 361 GGTATGATGACCCCTACACTGAGCAGATGGCACTCTGGAGAGAAAGGTCAGAGGATC 420
Db 688 GGTATGATGACCCCTACACTGAGCAGATGGCACTCTGGAGAGAAAGGTCAGAGGATC 747

Qy	421	CACCTCACTCTCTGATTTTCATTTGCAAGGAAAAAGTTAGCTGAATATGACACCAAGGTAGG	480
Db	748	CACCTCACTCTCTGATTTTCATTTGCAAGGAAAAAGTTAGCTGAATATGACACCAAGGTAA	807
Qy	481	GCAATTTGTCATAGTGGGCTCATCTACGATGGGAGTATTTGACGAGTACAATAATGAT	540
Db	808	GCAATTTGTCATAGTGGGCTCATCTACGATGGGAGTATTTGACGAGTACAATAATGAT	867
Qy	541	GAGAAATTTCTACTTTATCCNAATGGAAGAATACAACGAGTAAAGTCTTCAGCAGGTATTACT	600
Db	868	GAGAAATTTCTACTTTATCCNAATGGAAGAATACAACGAGTAAAGTCTTCAGCAGGTATTACT	927
Qy	601	GGTACAAATGPTAGTAAAGAGTGTCAAGGAGCGAGCTGTTTACACCAAAAGATGCACATTC	660
Db	928	GGTACAAATGPTAGTAAAGAGTGTCAAGGAGCGAGCTGTTTACACCAAAAGATGCACATTC	987
Qy	661	AATTAAGTTAACAGACTCTATGAAAAAGGATGTAGTTTGTTCCTCAATCCCGCCAGACG	720
Db	988	AATTAAGTTAACAGACTCTATGAAAAAGGATGTAGTTTGTTCCTCAATCCCGCCAGACG	1047
Qy	721	GAGAAGGCTTCTATAATGTTTGGCAACAATGTCATATAGTTGAATTCCTGTACAGAA	780
Db	1048	GAGAAGGCTTCTATAATGTTTGGCAACAATGTCATATAGTTGAATTCCTGTACAGAA	1107
Qy	781	CAAAAACCAACAAAGAGCTCCAAAACAGCAAAATCAAAAATGCAATCTCCGAAGCAC	840
Db	1108	CAAAAACCAACAAAGAGCTCCAAAACAGCAAAATCAAAAATGCAATCTCCGAAGCAC	1167
Qy	841	TGGGAAGTGATCCGTGATTCAGAGACCTTTAAGAAAAACCACTCTATGACAAACAGCCA	900
Db	1168	TGGGAAGTGATCCGTGATTCAGAGACCTTTAAGAAAAACCACTCTATGACAAACAGCCA	1227
Qy	901	CCAAATCCCACCTTCTCATCTGTCAGATTCGACAAAGAAATTTGTTAGTCTCTTGAC	960
Db	1228	CCAAATCCCACCTTCTCATCTGTCAGATTCGACAAAGAAATTTGTTAGTCTCTTGAC	1287
Qy	961	AAATCTGGAAGCATGGGACCTGGTAAACCGCTCAATCGACTGAATCAAGCAGGCCAGCTT	1020
Db	1288	AAATCTGGAAGCATGGGACCTGGTAAACCGCTCAATCGACTGAATCAAGCAGGCCAGCTT	1347
Qy	1021	TTCTCTGTGCAGACAGTTGAGCTGGGTCTCGGGTTGGGATGGTGACATTTGACAGTGCT	1080
Db	1348	TTCTCTGTGCAGACAGTTGAGCTGGGTCTCGGGTTGGGATGGTGACATTTGACAGTGCT	1407
Qy	1081	GCCCATGTPACAAAGTGAACATACAGATAAACAGTGGCATGAACAGGACACAGCTCGCC	1140
Db	1408	GCCCATGTPACAAAGTGAACATACAGATAAACAGTGGCATGAACAGGACACAGCTCGCC	1467
Qy	1141	AAAAGATTACCTGCAGCAGCTTCAGGAGGGACGTCCTCATCTGCAGCGGGCTTCGATCGGCA	1200
Db	1468	AAAAGATTACCTGCAGCAGCTTCAGGAGGGACGTCCTCATCTGCAGCGGGCTTCGATCGGCA	1527
Qy	1201	TTTACTGTGATTAGAGAAATATCCAACTGATGGATCTGAAATTTGCTGTGCTGACGGAT	1260
Db	1528	TTTACTGTGATTAGAGAAATATCCAACTGATGGATCTGAAATTTGCTGTGCTGACGGAT	1587
Qy	1261	GGGGAGACACACATATAAGTGGGTGCTTTTAAACGAGGTCAAACAAAGTGGTGCCATCATC	1320
Db	1588	GGGGAGACACACATATAAGTGGGTGCTTTTAAACGAGGTCAAACAAAGTGGTGCCATCATC	1647
Qy	1321	CACACAGTCGCTTTGGGGCCCTCTGCAGCTCAAGAACTAGAGGAGCTGTCCAAAATGACA	1380
Db	1648	CACACAGTCGCTTTGGGGCCCTCTGCAGCTCAAGAACTAGAGGAGCTGTCCAAAATGACA	1707
Qy	1381	GGAGTTTACAGACATATGCTTCAGATCAAGTTTCAGAACAAATGSCCTCATTTGATGCTTTT	1440
Db	1708	GGAGTTTACAGACATATGCTTCAGATCAAGTTTCAGAACAAATGSCCTCATTTGATGCTTTT	1767
Qy	1441	GGGGCCCTTTTCATCAGGAAATGGAGTGCTCTCAGCGCTCCATCCAGCTTGAGAGTAA	1500
Db	1768	GGGGCCCTTTTCATCAGGAAATGGAGTGCTCTCAGCGCTCCATCCAGCTTGAGAGTAA	1827
Qy	1501	GGATTAAACCCCTCCAGAAACAGCCAGCTGGAATGGCAAGTGAATCGGTGGACAGCACCGGT	1560

Db	1828	GSATTAACCCCTCTCAGAACAGCCAGTGGATGAATGGCACAGTAGTCTGGGACAGCACCGTG	1887
Qy	1561	GGAAAGGACACTTTGTGTTCTTATCACCTGTGACAAACGAGCCTCCCAAATCCCTTCTCTGG	1620
Db	1888	GGAAAGGACACTTTGTGTTCTTATCACCTGTGACAAACGAGCCTCCCAAATCCCTTCTCTGG	1947
Qy	1621	GATCCCAGTGGACAGAAAGCAAGTGGCTTTGTAGTGGACAAAAACCAAAATGGGCTAC	1680
Db	1948	GATCCCAGTGGACAGAAAGCAAGTGGCTTTGTAGTGGACAAAAACCAAAATGGGCTAC	2007
Qy	1681	CTCCAAATCCCAGGCAATGCTAAGTTTGGCACTTGGAAATACAGTCTGCAGCAAGCTCA	1740
Db	2008	CTCCAAATCCCAGGCAATGCTAAGTTTGGCACTTGGAAATACAGTCTGCAGCAAGCTCA	2067
Qy	1741	CAAACTTGCACCTGACTGTACGTCGCGTGGCTCAATGCTACCTGCCCTCCCAATTACA	1800
Db	2068	CAAACTTGCACCTGACTGTACGTCGCGTGGCTCAATGCTACCTGCCCTCCCAATTACA	2127
Qy	1801	GTGACTTCCAAAACGAACAGGACACAGCAAAATCCCAGCCCTCTGGTAGTTTATGCA	1860
Db	2128	GTGACTTCCAAAACGAACAGGACACAGCAAAATCCCAGCCCTCTGGTAGTTTATGCA	2187
Qy	1861	AATATTGCGCAAGGAGCCTCCCAATCTCAGGGCCAGTGTCAAGCCCTGTGATGTAATCA	1920
Db	2188	AATATTGCGCAAGGAGCCTCCCAATCTCAGGGCCAGTGTCAAGCCCTGTGATGTAATCA	2247
Qy	1921	GTGAATGGAAAAACAGTTACTTTGGAACTACTGGATAATGGACAGGCTGTGATGCTACT	1980
Db	2248	GTGAATGGAAAAACAGTTACTTTGGAACTACTGGATAATGGACAGGCTGTGATGCTACT	2307
Qy	1981	AAGGATGACGGTGTCTACTCAAGGTATTTCAACAACTTATGACACGAATGGTAGATACAGT	2040
Db	2308	AAGGATGACGGTGTCTACTCAAGGTATTTCAACAACTTATGACACGAATGGTAGATACAGT	2367
Qy	2041	GTAAAAGTGGGGCTCTGGGAGGAGTTAAACGACGACGAGAGTGATPACCCAGCAG	2100
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Qy	2101	AGTGGAGCATGTATACATCCTGCTGGATGGAAATGTAATGAAATACAAATGGAAATCCACCA	2160
Db	2428	AGTGGAGCATGTATACATCCTGCTGGATGGAAATGTAATGAAATACAAATGGAAATCCACCA	2487
Qy	2161	AGACCTGAAATTAATAGGATGATGTTCACACAGCAAGTGTGTGTTTTCAGCAGAAATCC	2220
Db	2488	AGACCTGAAATTAATAGGATGATGTTCACACAGCAAGTGTGTGTTTTCAGCAGAAATCC	2547
Qy	2221	TCGGGAGGCTCATTTGTGGCTTCTGATGTCGCAAAATGCTCCCAATACCTGATCTCTCCCA	2280
Db	2548	TCGGGAGGCTCATTTGTGGCTTCTGATGTCGCAAAATGCTCCCAATACCTGATCTCTCCCA	2607
Qy	2281	CCTGGCCAAATCACCGACCTGAAGGGCGGAATTCAGGGGGCAGTCTCATTAATCTGACT	2340
Db	2608	CCTGGCCAAATCACCGACCTGAAGGGCGGAATTCAGGGGGCAGTCTCATTAATCTGACT	2667
Qy	2341	TGGACAGCTCCTGGGATGATTAATGACATGGAAACAGCTCAACAGTATATCATTCGAATA	2400
Db	2668	TGGACAGCTCCTGGGATGATTAATGACATGGAAACAGCTCAACAGTATATCATTCGAATA	2727
Qy	2401	AGTACAAGTATCTTGATCTCAGAGACAAGTTTCAATGAATCTCTTCAAGTGAATACTACT	2460
Db	2728	AGTACAAGTATCTTGATCTCAGAGACAAGTTTCAATGAATCTCTTCAAGTGAATACTACT	2787
Qy	2461	GCTCTCATCCAAAGGAGGCCAACTCTGAGGAAGTCTTTTGTGTTTAAACAGAAAAACATT	2520
Db	2788	GCTCTCATCCAAAGGAGGCCAACTCTGAGGAAGTCTTTTGTGTTTAAACAGAAAAACATT	2847
Qy	2521	ACTTTTGAANAATGGCACAGATCTTTTTCATTGCTATTAGGCTGTGATAGGTCGATCTG	2580
Db	2848	ACTTTTGAANAATGGCACAGATCTTTTTCATTGCTATTAGGCTGTGATAGGTCGATCTG	2907
Qy	2581	AAATCAGAATAATCCCAACATTGACGAGTATCTTTGTTTATTCCTCCACAGACTCCGCGCA	2640

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Db 2908 AATCAGAAATATCCAAACATTGACGAGATCTTTGTTTATCTCCACAGATCCGCCA 2967
Qy 2641 GAGACACCTAGTCTGATGAACGCTCTGCTCTCTGCTCTCTTAATATCATATCAACAGACC 2700
Db 2968 GAGACACCTAGTCTGATGAACGCTCTGCTCTCTTCTCTTAATATCATATCAACAGACC 3027
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Db 3028 ATTCTGGCATTACATTTTAAATAATATGTTGAAATGAGTGAAGAACTGCAAGCTGTCA 3087
Qy 2761 ATAGCCTAGGCGTGAATTTTGTGAGATAAATAAATAAATCAATCATCTCTTTTGTGA 2820
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Qy 2941 TTCTGTAGGGGCGATAAATAAATGCTTAAACAACTGGGTA 2983
Db 3267 TTCTGTAGGGGCGATAAATAAATGCTTAAACAACTGGGTA 3309

RESULT 7
US-09-833-263-1056
; Sequence 1056, Application US/09833263
; Patent No. US20020110547A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; APPLICANT: Stolk, John A.
; APPLICANT: Meagher, Madeleine J.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND
; FILE REFERENCE: DIAGNOSIS OF COLON CANCER AND METHODS FOR THEIR USE
; CURRENT APPLICATION NUMBER: US/09/833,263
; CURRENT FILING DATE: 2001-04-10
; NUMBER OF SEQ ID NOS: 1093
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1056
; LENGTH: 3311
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-833-263-1056

Query Match 99.4%; Score 2966.2; DB 9; Length 3311;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 2979; Conservative 0; Mismatches 3; Indels 1; Gaps 1;

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Db 568 TATTTCAAAATGTTGCCATTTTGAATTCCTGAAACATGGAACAAGGCTGACTATGTG 627
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Qy 781 CAAAACCAACAAAGAAAGCTCCAAACAAAGCAAAATCAAAATGCAATCTCCGAAGCACA 840
Db 1108 CAAAACCAACAAAGAAAGCTCCAAACAAAGCAAAATCAAAATGCAATCTCCGAAGCACA 1167
Qy 841 TGGGAAGTGAATCGTGATTTCTGAGGACTTTAAGAAAAACCACTCTATGACAAACAGCCA 900
Db 1168 TGGGAAGTGAATCGTGATTTCTGAGGACTTTAAGAAAAACCACTCTATGACAAACAGCCA 1227
Qy 901 CCAATCCCACTTCTCATTTGCTGAGATTTGCAAAAGAAATTTGTGTTTGTAGTCTTGAC 960
Db 1228 CCAATCCCACTTCTCATTTGCTGAGATTTGCAAAAGAAATTTGTGTTTGTAGTCTTGAC 1287
Qy 961 AAATCTGGAAGCATGGCGACTGTGAACCGCTCAATCGACTGAATCAAGCAGGCCAGCTT 1020
Db 1288 AAATCTGGAAGCATGGCGACTGTGAACCGCTCAATCGACTGAATCAAGCAGGCCAGCTT 1347
Qy 1021 TTCCTGCTGACAGACTTGAGCTGGGCTCTGGGTTGGGATGTGACATTTGACAGTGT 1080
Db 1348 TTCCTGCTGACAGACTTGAGCTGGGCTCTGGGTTGGGATGTGACATTTGACAGTGT 1407
Qy 1081 GCCCATGTACAAAGTGAACCTACATACAGATAAAGTGGCAGTACAGGAGCACTCGCC 1140
Db 1408 GCCCATGTACAAAGTGAACCTACATACAGATAAAGTGGCAGTACAGGAGCACTCGCC 1467
Qy 1141 AAAAGATTACCTGACAGACTTGAGGAGGAGCTCCATCTGACAGCGGCTTCGATCGGCA 1200
Db 1468 AAAAGATTACCTGACAGACTTGAGGAGGAGCTCCATCTGACAGCGGCTTCGATCGGCA 1527
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Db 1528 TTTACTGTGATTAGGAAGAAATATCAACTGATGGAATCTGAAATTTGTGCTGACGGAT 1587
Qy 1261 GGGGAAGACAACTATATAGTGGGCTTTAAGAGGTCAAAACAAAGTGGTGCATCATC 1320
Db 1588 GGGGAAGACAACTATATAGTGGGCTTTAAGAGGTCAAAACAAAGTGGTGCATCATC 1647
Qy 1321 CACACAGTGGCTTTGGGGCCCTCTGAGCTCAAGAACTAGAGAGCTGTCCAAAATGACA 1380
Db 1648 CACACAGTGGCTTTGGGGCCCTCTGAGCTCAAGAACTAGAGAGCTGTCCAAAATGACA 1707
Qy 1381 GGAGGTTTACAGACATATGCTTTCAGATCAAGTTTCAGAACAAATGGCCCTCATTTGATGCTTTT 1440
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QY 1 GAAATCACAAGGAGATGTACAGCAATGGGGCCATTTAAGAGTTCTGTGTTCACTTTGATT 60
DB 328 GGAATCACAGGGAGATGTACAGCAATGGGGCCATTTAAGAGTTCTGTGTTCACTTTGATT 387
QY 61 CTTACCTTTCTAGAAGGGCCCTGAGTAAATCACTCATTCAGCTGAACACATGGCTAT 120
DB 388 CTTACCTTTCTAGAAGGGCCCTGAGTAAATCACTCATTCAGCTGAACACATGGCTAT 447
QY 121 GAAGGCATTGTCTGTCATTCGACCCCAATGTGCCAGAAAGATGAAACACTCATTTCAACAA 180
DB 448 GAAGGCATTGTCTGTCATTCGACCCCAATGTGCCAGAAAGATGAAACACTCATTTCAACAA 507
QY 181 ATAAAGGACATGTGTACCCAGGCATCTCTGTATCTGTTTGAAGCTACAGAAAGCGATT 240
DB 508 ATAAAGGACATGTGTACCCAGGCATCTCTGTATCTGTTTGAAGCTACAGAAAGCGATT 567
QY 241 TATTTCAAAAATGTTGCCATTTTGAATTCCTGAAACATGGAACAAAGCTGACTATGTG 300
DB 568 TATTTCAAAAATGTTGCCATTTTGAATTCCTGAAACATGGAACAAAGCTGACTATGTG 627
QY 301 AGACCAAAAACCTTGAGACCTACAAAAATGCTGATGTTCTGTTGCTGAGTCTACTCTCCCA 360
DB 628 AGACCAAAAACCTTGAGACCTACAAAAATGCTGATGTTCTGTTGCTGAGTCTACTCTCCCA 687
QY 361 GGTAAATGTAACCCCTACACTGAGCAGATGGGCAACTGTGGAGAGAAAGGTGAAAGATC 420
DB 688 GGTAAATGTAACCCCTACACTGAGCAGATGGGCAACTGTGGAGAGAAAGGTGAAAGATC 747
QY 421 CACCTCACTCTGATTTTCAATTCGACGAAAAAAGTTAGCTGAAATATGGACCAACAGGTAGG 480
DB 748 CACCTCACTCTGATTTTCAATTCGAGAAAAAAGTTAGCTGAAATATGGACCAACAGGTAGG 807
QY 481 GCATTTGTCATGAGTGGGCTCATCTACGATGGGAGTATTTGACGAGTACAAATATGAT 540
DB 808 GCATTTGTCATGAGTGGGCTCATCTACGATGGGAGTATTTGACGAGTACAAATATGAT 867
QY 541 GAGAAATTTACTTATCCAAATGGAAGAAATACAGCAGTAAAGTGTTCAGCAGGTATTAAT 600
DB 868 GAGAAATTTACTTATCCAAATGGAAGAAATACAGCAGTAAAGTGTTCAGCAGGTATTAAT 927
QY 601 GGTACAAATGTAGTAAAGTGTACGGAGGAGCTGTTTACACCAAAAGATGCATTTTC 560
DB 928 GGTACAAATGTAGTAAAGTGTACGGAGGAGCTGTTTACACCAAAAGATGCATTTTC 987
QY 661 AATAAAGTAAACAGACTCTATGAAAAGAGTGTAGTGTCTTCTCAATCCCGCCAGAG 720
DB 988 AATAAAGTAAACAGACTCTATGAAAAGAGTGTAGTGTCTTCTCAATCCCGCCAGAG 1047
QY 721 GAGAGGCTTCTATAATGTTTGCAACATGTTGATTTCTATAGTTGAAATTTCTGTACAGAA 780
DB 1048 GAGAGGCTTCTATAATGTTTGCAACATGTTGATTTCTATAGTTGAAATTTCTGTACAGAA 1107
QY 781 CAAAACCAACAAGAGCTCAAAACAGCAAAATCAAAATGCAATCTCCGAGCACA 840
DB 1108 CAAAACCAACAAGAGCTCAAAACAGCAAAATCAAAATGCAATCTCCGAGCACA 1167
QY 841 TGGAGTGTATCGTGAATCTGAGGACTTTAAGAAAAACCACTCCTATGACAAACAGACCA 900
DB 1168 TGGAGTGTATCGTGAATCTGAGGACTTTAAGAAAAACCACTCCTATGACAAACAGACCA 1227
QY 901 CCAATTCACACCTTCTCATTTGTCAGATTGGAACAAAGAAATGTGTGTTTGTCTTTGAC 960
DB 1228 CCAATTCACACCTTCTCATTTGTCAGATTGGAACAAAGAAATGTGTGTTTGTCTTTGAC 1287
QY 961 AATCTGGAAGCATGGCGACTGGTAAACCGCTCAATCGACTGAATCAAGAGGCGAGCTT 1020
DB 1288 AATCTGGAAGCATGGCGACTGGTAAACCGCTCAATCGACTGAATCAAGAGGCGAGCTT 1347
QY 1021 TTCTCTCGACAGCTTGTGCTGGGCTCCTGGGTTGGGATGGTGACATTTGACAGTGTCT 1080
DB 1348 TTCTCTCGACAGCTTGTGCTGGGCTCCTGGGTTGGGATGGTGACATTTGACAGTGTCT 1407
QY 1081 GCCATGTACAAAGTGAATCTACATACAGATAAAACAGTGGGAGTGACAGGGACACACTCGCC 1140

DB 1408 GCCCATGTACAAAGTGAATCTACAGATAAAACAGTGGCAGTGACAGGGACACACTCGCC 1467
QY 1141 AAAAGATTACCTTGACAGCAGCTTCAGAGGAGAGCTCCATCTGCAGCGGGCTTCGATCGGCA 1200
DB 1468 AAAAGATTACCTTGACAGCAGCTTCAGAGGAGAGCTCCATCTGCAGCGGGCTTCGATCGGCA 1527
QY 1201 TTTACTGTGATTAGGAAGAAATATCAACTGATGATCTGAAATTTGTGCTGTCGACGGAT 1260
DB 1528 TTTACTGTGATTAGGAAGAAATATCAACTGATGATCTGAAATTTGTGCTGTCGACGGAT 1587
QY 1261 GGGGAAGACAAACATATTAAGTGGTGTCTTAACAGAGGTCAAAACAAAGTGGTGCATCATC 1320
DB 1588 GGGGAAGACAAACATATTAAGTGGTGTCTTAACAGAGGTCAAAACAAAGTGGTGCATCATC 1647
QY 1321 CACACAGTCTGCTTTGGGGCCCTCTGCAGCTCAAGAACTAGAGAGCTGTCCAAAAATGACA 1380
DB 1648 CACACAGTCTGCTTTGGGGCCCTCTGCAGCTCAAGAACTAGAGAGCTGTCCAAAAATGACA 1707
QY 1381 GGAGGTTTACAGACATATGCTTTCAGATCAAGTTTCAGAACAAATGGCCTCATTTGATGCTTTT 1440
DB 1708 GGAGGTTTACAGACATATGCTTTCAGATCAAGTTTCAGAACAAATGGCCTCATTTGATGCTTTT 1767
QY 1441 GGGGCCCTTTCACTAGGAAATGGAGCTGTCTCTCAGCGCTCCATCCAGCTTGAGAGTAAG 1500
DB 1768 GGGGCCCTTTCACTAGGAAATGGAGCTGTCTCTCAGCGCTCCATCCAGCTTGAGAGTAAG 1827
QY 1501 GGATTAACCTCCAGAACAGCCAGTGGATGAATGGCACAGTGTCTGTCAGACACACCGTG 1560
DB 1828 GGATTAACCTCCAGAACAGCCAGTGGATGAATGGCACAGTGTCTGTCAGACACACCGTG 1887
QY 1561 GGAAGGACACATTTGTTTCTTATCACTGGACAAACAGCAGCTCCCAAAATCTTCTCTGG 1620
DB 1888 GGAAGGACACATTTGTTTCTTATCACTGGACAAACAGCAGCTCCCAAAATCTTCTCTGG 1947
QY 1621 GATCCAGTGGACAGAAAGAGTGGCTTTGTAGTGGACAAAAACACCAAAATGGGCTTAC 1680
DB 1948 GATCCAGTGGACAGAAAGAGTGGCTTTGTAGTGGACAAAAACACCAAAATGGGCTTAC 2007
QY 1681 CTCCTAAATCCCAGGCAATGCTAAGTTGGCACTTGGAAATACAGTCTGCAAGCAAGCTCA 1740
DB 2008 CTCCTAAATCCCAGGCAATGCTAAGTTGGCACTTGGAAATACAGTCTGCAAGCAAGCTCA 2067
QY 1741 CAAACCTTGACCTGACTGTCAGTCCCGTCCCAATGCTACCTGCTCCAAATTACA 1800
DB 2068 CAAACCTTGACCTGACTGTCAGTCCCGTCCCAATGCTACCTGCTCCAAATTACA 2127
QY 1801 GTGACTTCCAAAAACGAAACAGGACACCAAGAAATTTCCCAAGCCCTCTGTTAGTTATGCA 1860
DB 2128 GTGACTTCCAAAAACGAAACAGGACACCAAGAAATTTCCCAAGCCCTCTGTTAGTTATGCA 2187
QY 1861 AATATTCGCAAGGAGCTCCCAATTTCTCAGGGCCAGTGTCAAGCCCTGATTTGAATCA 1920
DB 2188 AATATTCGCAAGGAGCTCCCAATTTCTCAGGGCCAGTGTCAAGCCCTGATTTGAATCA 2247
QY 1921 GTGAATGGAATAACAGTTTACCTTGGAACTATCTGGAATAATGGAGAGTGTGATGCTACT 1980
DB 2248 GTGAATGGAATAACAGTTTACCTTGGAACTATCTGGAATAATGGAGAGTGTGATGCTACT 2307
QY 1981 AAGGATGACGGTGTCTACTCAAGGTAATTTCACACTTATGACACGAATGGTATGATACAGT 2040
DB 2308 AAGGATGACGGTGTCTACTCAAGGTAATTTCACACTTATGACACGAATGGTATGATACAGT 2367
QY 2041 GTAAAAGTCCGGCTCTGGAGAGTTAACCGACGACCGAGAGTGTATCCCGAGAG 2100
DB 2368 GTAAAAGTCCGGCTCTGGAGAGTTAACCGACGACCGAGAGTGTATCCCGAGAG 2427
QY 2101 AGTGGAGCACTGTACATCTCGCTGGATTGAGAAATGATGAATAAATGGAATCCACCA 2160
DB 2428 AGTGGAGCACTGTACATCTCGCTGGATTGAGAAATGATGAATAAATGGAATCCACCA 2487
QY 2161 AGACCTGAAATTAATAGGATGATGTTCAACAACAGCAAGTGTGTTTACGAGCAATCC 2220

2488	AGACCTGAAATTAATAAGGATGATGTTCAACACAGCAAGAGTGTTTCACGACAGAACATCC	2544
2221	TCGGGAGGCTCATTTGTGGCTTCTGATGCTCCAAATGCTCCCATACCTGATCTCTCCCA	2280
2548	TCGGGAGGCTCATTTGTGGCTTCTGATGCTCCAAATGCTCCCATACCTGATCTCTCCCA	2607
2281	CCTGGCCAAATCACCGACCTGAAGCGCGAAATTCACGGGGCGAGTCTCATTAATCTGACT	2340
2608	CCTGGCCAAATCACCGACCTGAAGCGCGAAATTCACGGGGCGAGTCTCATTAATCTGACT	2667
2341	TGGACAGCTCCTGGGGATGATTAATGACATGGAACAGCTCACAAGTATATCATTCGAAATA	2400
2668	TGGACAGCTCCTGGGGATGATTAATGACATGGAACAGCTCACAAGTATATCATTCGAAATA	2727
2401	AGTACAAGTATTTTGTATCTCAGAGACAAGTTCAATGAATCTCTTCAAGTGAATACTACT	2460
2728	AGTACAAGTATTTTGTATCTCAGAGACAAGTTCAATGAATCTCTTCAAGTGAATACTACT	2787
2461	GCTCTCATCCAAAGGAAGCCAACTCTGAGGAAGTCTTTTGTGTTAAACACAGAAAAACATT	2520
2788	GCTCTCATCCAAAGGAAGCCAACTCTGAGGAAGTCTTTTGTGTTAAACACAGAAAAACATT	2847
2521	ACTTTTGAAAATGGCACAGATCTTTTCATTTGCTATTACAGGCTGTGTATAAGGTCGATCTG	2580
2848	ACTTTTGAAAATGGCACAGATCTTTTCATTTGCTATTACAGGCTGTGTATAAGGTCGATCTG	2907
2581	AAATCAGAAATATCCAAACATTGACAGAGTATCTTTGTTTATTCCTCCACAGACTCCGCCA	2640
2908	AAATCAGAAATATCCAAACATTGACAGAGTATCTTTGTTTATTCCTCCACAGACTCCGCCA	2967
2641	GAGACACTAGTCTGTATGAAAACTGCTGCTCTTGTCTCTTAATATTCATATCAACAGACCC	2700
2968	GAGACACTAGTCTGTATGAAAACTGCTGCTCTTGTCTCTTAATATTCATATCAACAGACCC	3027
2701	ATTCTTGGCATTACATTTTAAAAATTTATGTGGAGTGGATAGAGAACTGCAGCTGTCA	2760
3028	ATTCTTGGCATTACATTTTAAAAATTTATGTGGAGTGGATAGAGAACTGCAGCTGTCA	3087
2761	ATAGCTTAGGGCTGAATTTTTTGTCCAGATAAATAAAATAAATCATTTCACTCTTTTTTTGA	2820
3088	ATAGCTTAGGGCTGAATTTTTTGTCCAGATAAATAAATAAATCATTTCACTCTTTTTTTGA	3146
2821	TTATAAAATTTTCTAAAAATGTATTTTAGACTTCTCTGAGGGGGCGATATACTAAATGTAT	2880
3147	TTATAAAATTTTCTAAAAATGTATTTTAGACTTCTCTGAGGGGGCGATATACTAAATGTAT	3206
2881	ATAGTACATTTATATAAATGTATTTCTGTAGGGGGCGATATACTAAATGTATTTTAGAC	2940
3207	ATAGTACATTTATATAAATGTATTTCTGTAGGGGGCGATATACTAAATGTATTTTAGAC	3266
2941	TTCTGTAGGGGGCGATAAATAAATAAATGCTTAAACAACTGGGTA	2983
3267	TTCTGTAGGGGGCGATAAATAAATAAATGCTTAAACAACTGGGTA	3309

RESULT 9

DB	SEQ ID NO 11	LENGTH: 3311	TYPE: DNA	ORGANISM: human
Db	1048	GAGAAGGCTTCTATTAATGTTTGGCAACATGTTGATTCATATAGTTGAATTCGTACGAA	1107	
Qy	781	CAAAACCAACAAAGAGCTCCAAAACAAGCAAAATCAAAAATGCAATCTCCGAAGCACA	840	
Db	1108	CAAAACCAACAAAGAGCTCCAAAACAAGCAAAATCAAAAATGCAATCTCCGAAGCACA	1167	
Qy	841	TGGGAAGTGATCCGTGATTCGAGGACTTTAAGAAAACCACTCCTATGCAACACAGCCCA	900	
Db	1168	TGGGAAGTGATCCGTGATTCGAGGACTTTAAGAAAACCACTCCTATGCAACACAGCCCA	1227	
Qy	901	CCAAATCCACCTCTCTCAATGCTCAGATTGGACAAAAGAATTGCTGTTTAGTCCTTGAC	960	
Db	1228	CCAAATCCACCTCTCAATGCTCAGATTGGACAAAAGAATTGCTGTTTAGTCCTTGAC	1287	
Qy	961	AAATCTGGAAGCATGGGACATGGTAAACCGCTCAATCGACTGAATCAAGCAGCCAGCTTT	1020	
Db	1288	AAATCTGGAAGCATGGGACATGGTAAACCGCTCAATCGACTGAATCAAGCAGCCAGCTTT	1347	

Qy	1021	TTCTCTGCTGCAGACAGTTGAGCTGGGGTCCCTGGGTTGGGATGGTGACATTTGACAGTGCT	1080
Db	1348	TTCTCTGCTGCAGACAGTTGAGCTGGGGTCCCTGGGTTGGGATGGTGACATTTGACAGTGCT	1407
Qy	1081	GCCCATGTACAAAGTGAACCTCATACAGATAAACAAGTGGCAGTGACACGGGACACACTCGCC	1140
Db	1408	GCCCATGTACAAAGTGAACCTCATACAGATAAACAAGTGGCAGTGACACGGGACACACTCGCC	1467
Qy	1141	AAAAGATTACCTGCGCAGCAGCTTCAGGAGGGACGTCATCTGCGACGGGCTTCGATCGGCA	1200
Db	1468	AAAAGATTACCTGCGCAGCAGCTTCAGGAGGGACGTCATCTGCGACGGGCTTCGATCGGCA	1527
Qy	1201	TTTACTGTGATTAGGAAGAAATATCCAACTGATGGATCTGAAATTTGTCGTGCTGACGGAT	1260
Db	1528	TTTACTGTGATTAGGAAGAAATATCCAACTGATGGATCTGAAATTTGTCGTGCTGACGGAT	1587
Qy	1261	GGGGAAGACAACACTATAAGTGGGTGCTTTAAACGAGGTCAAAACAAAGTGGTGCCATCATC	1320
Db	1588	GGGGAAGACAACACTATAAGTGGGTGCTTTAAACGAGGTCAAAACAAAGTGGTGCCATCATC	1647
Qy	1321	CACACAGTCGCTTTGGGGCCCTCTGCGAGCTCAAGAACTAGAGGAGCTGTCCAAAATGACA	1380
Db	1648	CACACAGTCGCTTTGGGGCCCTCTGCGAGCTCAAGAACTAGAGGAGCTGTCCAAAATGACA	1707
Qy	1381	GGAGGTTTACAGACATATGCTTCAGATCAAGTTCCAGAACTAGGCTCATTTGATGCTTTT	1440
Db	1708	GGAGGTTTACAGACATATGCTTCAGATCAAGTTCCAGAACTAGGCTCATTTGATGCTTTT	1767
Qy	1441	GGGGCCCTTTTCATCAGGAAATGGAGCTGTCTCTCAGGGCTCCATCCAGCTTTGAGAGTAAG	1500
Db	1768	GGGGCCCTTTTCATCAGGAAATGGAGCTGTCTCTCAGGGCTCCATCCAGCTTTGAGAGTAAG	1827
Qy	1501	GGATTAACCTCCAGAACACGCCAGTGGATGAATGGCACTGATGCTGGACACGCGTG	1560
Db	1828	GGATTAACCTCCAGAACACGCCAGTGGATGAATGGCACTGATGCTGGACACGCGTG	1887
Qy	1561	GGAAAGACACTTTGTTTCTTATCACTGACAAACGCCAGGCTCCCCAAATCCTTCTCTGG	1620
Db	1888	GGAAAGACACTTTGTTTCTTATCACTGACAAACGCCAGGCTCCCCAAATCCTTCTCTGG	1947
Qy	1621	GATCCCACTGGACAGAAAGCAAGTGGCTTTGATGGACAAAAACCAAAATGGCGCTAC	1680
Db	1948	GATCCCACTGGACAGAAAGCAAGTGGCTTTGATGGACAAAAACCAAAATGGCGCTAC	2007
Qy	1681	CTCCAAATCCAGGCATTGTCTAAGTTGGCACTTTGGAATAACAGTCTGCAAGCAAGCTCA	1740
Db	2008	CTCCAAATCCAGGCATTGTCTAAGTTGGCACTTTGGAATAACAGTCTGCAAGCAAGCTCA	2067
Qy	1741	CAAACTTTGACCTGACTGTGTCAGTCCGTTGCGTCCAAATGCTACCTGCGCTCCAAATTACA	1800
Db	2068	CAAACTTTGACCTGACTGTGTCAGTCCGTTGCGTCCAAATGCTACCTGCGCTCCAAATTACA	2127
Qy	1801	GTGACTTCCAAAACGAAACAAAGGACACAGCAAAATTCGCCAGCCCTCTGGTAGTTTATGCA	1860
Db	2128	GTGACTTCCAAAACGAAACAAAGGACACAGCAAAATTCGCCAGCCCTCTGGTAGTTTATGCA	2187
Qy	1861	AATATTCCGCAAGAGGCTCCCCAAATTTCTCAGGGCCAGTGTCACGCCCTGTGATGAATCA	1920
Db	2188	AATATTCCGCAAGAGGCTCCCCAAATTTCTCAGGGCCAGTGTCACGCCCTGTGATGAATCA	2247
Qy	1921	GTGAAATGGAAAAACAGTTACTCTTGGAACTACTGGATAATCGGACGAGTGTGATGCTACT	1980
Db	2248	GTGAAATGGAAAAACAGTTACTCTTGGAACTACTGGATAATCGGACGAGTGTGATGCTACT	2307
Qy	1981	AAGGATGACGGTGTCTACTCAAGGTATTTTCACAACTTATGACACGAATGCTAGATACAGT	2040
Db	2308	AAGGATGACGGTGTCTACTCAAGGTATTTTCACAACTTATGACACGAATGCTAGATACAGT	2367
Qy	2041	GTAAGATGCGGGCTCTGGGAGGAGTTAAACGACGCCAGACGAGTAGTGATACCCACGACG	2100
Db	2368	GTAAGATGCGGGCTCTGGGAGGAGTTAAACGACGCCAGACGAGTAGTGATACCCACGACG	2427

RESULT 10

US-10-393-590-12

US-10-393-390-12
: Sequence 12. Application US/103933590; sequence 12, Application US/103
: Publication No. US20030190656A1; Publication No. US20
: GENERAL INFORMATION:

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; GENERAL INFORMATION:
: APPLICANT: WANG YIXIN

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APPLICANT: WANG, YIXIN
TITLE OF INVENTION: BREAST CANCER PROGNOSTIC PORTFOLIO

; TITLE OF INVENTION: BREAST CANCER
: TITLE REFERENCE: CDS 268 USC NP

FILE REFERENCE: CDS 268 US NP
CURRENT APPLICATION NUMBER: IUS/10/393 590

30 ; CURRENT APPLICATION NUMBER: US/1

; CURRENT FILING DATE: 2003-03-21

; PRIOR APPLICATION NUMBER: 60/

; NUMBER OF SEQ ID NOS: 100									
; SOFTWARE: PatentIn version 3.1									
; SEQ ID NO 12									
; LENGTH: 3311									
; TYPE: DNA									
; ORGANISM: human									
US-10-393-590-12									
Query Match									
Best Local Similarity 99.4%; Score 2966.2; DB 15; Length 3311;									
Matches 2979; Conservative 0; Mismatches 3; Indels 1; Gaps 1;									
QY	1	GAAATCACAGGAGATGTACAGCAATGGGGCCATTTAAGAGTCTGTGTTTCATCTTGATT	60						
DB	328	GGAAATCACAGGAGATGTACAGCAATGGGGCCATTTAAGAGTCTGTGTTTCATCTTGATT	387						
QY	61	CTTCACTCTTCTAGAAAGGGCCCTGAGTAATCACTCAATTCAGCTGAAACAATGGCTAT	120						
DB	388	CTTCACTCTTCTAGAAAGGGCCCTGAGTAATCACTCAATTCAGCTGAAACAATGGCTAT	447						
QY	121	GAAGGCAATGCTGTCGAATGACCCCAATGTGCCAGAGATGAACACTCAATCAACAA	180						
DB	448	GAAGGCAATGCTGTCGAATGACCCCAATGTGCCAGAGATGAACACTCAATCAACAA	507						
QY	181	ATAAAGGACATGGTGACCCAGGCATCTCTGTATCTGTTTGAAGCTACAGGAAAGGATTT	240						
DB	508	ATAAAGGACATGGTGACCCAGGCATCTCTGTATCTGTTTGAAGCTACAGGAAAGGATTT	567						
QY	241	TATTTCAAAAATGTTGGCCATTTGATTCCTGAAACATATGGAAGCAAAAGCTGACTATG	300						
DB	568	TATTTCAAAAATGTTGGCCATTTGATTCCTGAAACATATGGAAGCAAAAGCTGACTATG	627						
QY	301	AGACCAAAACTTGGAGACCTTACAAAATGCTGATGTTCTGTTGCTGAGTCTACTCTCCA	360						
DB	628	AGACCAAAACTTGGAGACCTTACAAAATGCTGATGTTCTGTTGCTGAGTCTACTCTCCA	687						
QY	361	GGTAATGATGAACCCCTACACTGAGCAGATGGGCAACTGTGGAGAGAGGGTGAAGGATC	420						
DB	688	GGTAATGATGAACCCCTACACTGAGCAGATGGGCAACTGTGGAGAGAGGGTGAAGGATC	747						
QY	421	CACCTCACTCCTGATTTTCATGAGGAAAAAGTTAGCTGAATATGGAACCAAGGTAGG	480						
DB	748	CACCTCACTCCTGATTTTCATGAGGAAAAAGTTAGCTGAATATGGAACCAAGGTAGG	807						
QY	481	GCATTTGTCATGAGTGGGCTCATCTACGATGGGAGTATTTTCAGCAGTACAAATATGAT	540						
DB	808	GCATTTGTCATGAGTGGGCTCATCTACGATGGGAGTATTTTCAGCAGTACAAATATGAT	867						
QY	541	GAGAAATTCCTATCTTATCCAAATGGAAGATACAGCAGTAAGATGTTTCAGCAGTATTA	600						
DB	868	GAGAAATTCCTATCTTATCCAAATGGAAGATACAGCAGTAAGATGTTTCAGCAGTATTA	927						
QY	601	GGTACAAATGTATGAAGAGTGTACAGGAGCAGCTGTTTACACCAAAAGATGCAATTC	660						
DB	928	GGTACAAATGTATGAAGAGTGTACAGGAGCAGCTGTTTACACCAAAAGATGCAATTC	987						
QY	661	AATAAAGTAAACAGGACTCTATGAAAGAGTGTAGTGTGTTCTCCAATCCCGCCAGAG	720						
DB	988	AATAAAGTAAACAGGACTCTATGAAAGAGTGTAGTGTGTTCTCCAATCCCGCCAGAG	1047						
QY	721	GAGAAGGCTTCTATATGTTTGCACAAATGTTGATTTCTATAGTTGAATTTCTGACAGAA	780						
DB	1048	GAGAAGGCTTCTATATGTTTGCACAAATGTTGATTTCTATAGTTGAATTTCTGACAGAA	1107						
QY	781	CAAAACCAACAAAGAGCTCAAAACAAGCAAAATCAAAAATGCAATCTCCGAAGCACA	840						
DB	1108	CAAAACCAACAAAGAGCTCAAAACAAGCAAAATCAAAAATGCAATCTCCGAAGCACA	1167						
QY	841	TGGGAAGTATCGGTGATTTCTAGGACTTTTAAAGAACCACTCTATGACACACAGCCA	900						
DB	1168	TGGGAAGTATCGGTGATTTCTAGGACTTTTAAAGAACCACTCTATGACACACAGCCA	1227						
QY	901	CCAAATCCCACTTCTCATTTGCTGCAAGATTGGACAAAGAAATTGTGTGTTAGTCTTGAC	960						
DB	1228	CCAAATCCCACTTCTCATTTGCTGCAAGATTGGACAAAGAAATTGTGTGTTAGTCTTGAC	1287						
QY	961	AAATCTGGAAGCATGGGCACTGGTAAACCGCTCAATCGACTGAATCAAGCAGCCAGCTT	1020						
DB	1288	AAATCTGGAAGCATGGGCACTGGTAAACCGCTCAATCGACTGAATCAAGCAGCCAGCTT	1347						
QY	1021	TTCTCTGCTGACAGACAGTTGAGCTGGGGTCTGGGTTGGGATGGTGACATTTTGACAGTGT	1080						
DB	1348	TTCTCTGCTGACAGACAGTTGAGCTGGGGTCTGGGTTGGGATGGTGACATTTTGACAGTGT	1407						
QY	1081	GCCCATGTACAAAGTGAATCATACAGATAAACAAGTGGAGTGAACAGGACACACTCGCC	1140						
DB	1408	GCCCATGTACAAAGTGAATCATACAGATAAACAAGTGGAGTGAACAGGACACACTCGCC	1467						
QY	1141	AAAGATTTACCTGTCAGCAGCTTCAGAGGGAGCTCCATCTGACGGGGCTTCGATCGGCA	1200						
DB	1468	AAAGATTTACCTGTCAGCAGCTTCAGAGGGAGCTCCATCTGACGGGGCTTCGATCGGCA	1527						
QY	1201	TTTACTGTGATTAGGAAGAAATATCAACTGATGATCTGAAATTTGTCTGCTGACGGAT	1260						
DB	1528	TTTACTGTGATTAGGAAGAAATATCAACTGATGATCTGAAATTTGTCTGCTGACGGAT	1587						
QY	1261	GGGGAAGCAACAACATATAAGTGGGTCTTTAAACGAGGTCAAAACAAAGTGGTGCATCATC	1320						
DB	1588	GGGGAAGCAACAACATATAAGTGGGTCTTTAAACGAGGTCAAAACAAAGTGGTGCATCATC	1647						
QY	1321	CACACAGTCTGCTTTGGGGCCCTCTGACGTCAAGACTAGAGGAGTGTCCAAATGACA	1380						
DB	1648	CACACAGTCTGCTTTGGGGCCCTCTGACGTCAAGACTAGAGGAGTGTCCAAATGACA	1707						
QY	1381	GGAGTGTTCAGACATATGCTTTCAGATCAAGTTTCAAGAACTAGGGAGTGTCTCAAAATGACA	1440						
DB	1708	GGAGTGTTCAGACATATGCTTTCAGATCAAGTTTCAAGAACTAGGGAGTGTCTCAAAATGACA	1767						
QY	1441	GGGGCCCTTTTCATCAGGAAATGGAGCTGTCTCTCAGCGCTCCATCCAGCTTGAGAGTAAG	1500						
DB	1768	GGGGCCCTTTTCATCAGGAAATGGAGCTGTCTCTCAGCGCTCCATCCAGCTTGAGAGTAAG	1827						
QY	1501	GGATTAAACCTTCCAGAACAGCCAGTGGATGAATGCAAGTGTGATCGTGGACAGCACCCTG	1560						
DB	1828	GGATTAAACCTTCCAGAACAGCCAGTGGATGAATGCAAGTGTGATCGTGGACAGCACCCTG	1887						
QY	1561	GGAAAGGACATTTCTTTTATCACTTACCTGGAACAGCGAGCTCCCAATCTCTCTCG	1620						
DB	1888	GGAAAGGACATTTCTTTTATCACTTGGACAGCGAGCTCCCAATCTCTCTCTCG	1947						
QY	1621	GATCCAGTGGACAGAAAGGTGGCTTTTGTAGTGGACAAACCAAAATGGCTTAC	1680						
DB	1948	GATCCAGTGGACAGAAAGGTGGCTTTTGTAGTGGACAAACCAAAATGGCTTAC	2007						
QY	1681	CTCCAAATCCAGGCAATTTGCTAAGTTGGCACTTGGAAATACAGTCTGCAAGCAAGCTCA	1740						
DB	2008	CTCCAAATCCAGGCAATTTGCTAAGTTGGCACTTGGAAATACAGTCTGCAAGCAAGCTCA	2067						
QY	1741	CAAACTTGGACCTGACGTGTCAGTCCGCTGCTCAATGTACCTGCTCCCAATTACA	1800						
DB	2068	CAAACTTGGACCTGACGTGTCAGTCCGCTGCTCAATGTACCTGCTCCCAATTACA	2127						
QY	1801	GTGACTTCCAAAACCAAGGACACCAAGCAAAATCCCCAGCCCTCTGGTAGTTATGCA	1860						
DB	2128	GTGACTTCCAAAACCAAGGACACCAAGCAAAATCCCCAGCCCTCTGGTAGTTATGCA	2187						
QY	1861	AATATTCCCAAGGAGCCCTCCCAATTTCTCAGGGCAGTGTACAGCCCTGATTGATCA	1920						
DB	2188	AATATTCCCAAGGAGCCCTCCCAATTTCTCAGGGCAGTGTACAGCCCTGATTGATCA	2247						
QY	1921	GTGAATGGAATAACAGTTTACCTTTGAACTACTTGGATTAATGGAGCAGGTCTGATGTACT	1980						
DB	2248	GTGAATGGAATAACAGTTTACCTTTGAACTACTTGGATTAATGGAGCAGGTCTGATGTACT	2307						
QY	1981	AAGGATGACGGTGTCTACTCAAGGATTTTCAAACTTATGACCGAATGGTAGATACAGT	2040						

Db 2308 AAGGATGACGGTGTCTACTCAAGGTATTTCACAACTTATGACACGAATGGTAGATACAGT 2367
Qy 2041 GTAAAGATCGGGCTCTGGAGAGGTTAAACGACCGCAGAGAGTGATACCCCAAGCAG 2100
Db 2368 GTAAAGATCGGGCTCTGGAGAGGTTAAACGACCGCAGAGAGTGATACCCCAAGCAG 2427
Qy 2101 AGTGGAGCACTGTACATACCTGGCTGGATTGAGAAATGATGAATACAAATGGAAATCCACCA 2160
Db 2428 AGTGGAGCACTGTACATACCTGGCTGGATTGAGAAATGATGAATACAAATGGAAATCCACCA 2487
Qy 2161 AGACCTGAAATTAATAAGGATGATGTTCAACACAGCAAGTGTGTTTCAGCAGAACATCC 2220
Db 2488 AGACCTGAAATTAATAAGGATGATGTTCAACACAGCAAGTGTGTTTCAGCAGAACATCC 2547
Qy 2221 TCGGAGGCTCAATTTGGCTCTGATGTCCTCAATGTCCTCCCAATGCTCTTTCCCA 2280
Db 2548 TCGGAGGCTCAATTTGGCTCTGATGTCCTCAATGTCCTCCCAATGCTCTTTCCCA 2607
Qy 2281 CCTGGCCAAATCACCGACCTGAAGCGGAAATTCACGGGGGAGTCTCATTAATCTGACT 2340
Db 2608 CCTGGCCAAATCACCGACCTGAAGCGGAAATTCACGGGGGAGTCTCATTAATCTGACT 2667
Qy 2341 TGGACAGCTCTCGGGATGATTAATGATGACCAAGTGTGTTTCAGCAGAACATCC 2400
Db 2668 TGGACAGCTCTCGGGATGATTAATGATGACCAAGTGTGTTTCAGCAGAACATCC 2477
Qy 2401 AGTACAAAGTATTTCTGATCTCAGACAAAGTTCATGATCTCTTCAAGTGAATACTACT 2460
Db 2728 AGTACAAAGTATTTCTGATCTCAGACAAAGTTCATGATCTCTTCAAGTGAATACTACT 2787
Qy 2461 GCTCTCATCCCAAGGAAGCAACTCTGAGGAAGTCTTTTGTGTTTAAACAGAAACATTT 2520
Db 2788 GCTCTCATCCCAAGGAAGCAACTCTGAGGAAGTCTTTTGTGTTTAAACAGAAACATTT 2847
Qy 2521 ACTTTTGAATGCGACAGATCTTTTCAATGCTATTCAGGCTGTGATAGGCTGATCTG 2580
Db 2848 ACTTTTGAATGCGACAGATCTTTTCAATGCTATTCAGGCTGTGATAGGCTGATCTG 2907
Qy 2581 AAATCAGAAATATCCAACTGACAGATATCTTTGTTTATTCCTCCACAGACTCCGCCA 2640
Db 2908 AAATCAGAAATATCCAACTGACAGATATCTTTGTTTATTCCTCCACAGACTCCGCCA 2967
Qy 2641 GAGACACCTAGTCTGATGAAGCTGCTCTGCTGCTTAAATTAATTCATATCAACAGCACC 2700
Db 2968 GAGACACCTAGTCTGATGAAGCTGCTCTGCTTAAATTAATTCATATCAACAGCACC 3027
Qy 2701 ATTCCTGGCATTACATATTTTAAATTTAATGTTGGAAGTGTAGGAACTGAGCTGTCA 2760
Db 3028 ATTCCTGGCATTACATATTTTAAATTTAATGTTGGAAGTGTAGGAACTGAGCTGTCA 3087
Qy 2761 ATAGCCTAGGCTGAAATTTTGTGATATAAATAAATCAATTCATCTTTTGTGA 2820
Db 3088 ATAGCCTAGGCTGAAATTTTGTGATATAAATAAATCAATTCATCTTTTGTGA 3146
Qy 2821 TTATAAATTTTCTAAATTTGATTTTGAATCTTCTGTTAGGGCGGATATCTAAATGAT 2880
Db 3147 TTATAAATTTTCTAAATTTGATTTTGAATCTTCTGTTAGGGCGGATATCTAAATGAT 3206
Qy 2881 ATAGTACATTTTACTAAATGATTTCTCTGAGGGCGGATATCTAAATGATTTTGA 2940
Db 3207 ATAGTACATTTTACTAAATGATTTCTCTGAGGGCGGATATCTAAATGATTTTGA 3266
Qy 2941 TTCTGTAGGGCGGATATAAATAAATGCTAAACACTGGGTA 2983
Db 3267 TTCTGTAGGGCGGATATAAATAAATGCTAAACACTGGGTA 3309

RESULT 11

US-10-393-590-46

; Sequence 46, Application US/10393590

; Publication No. US20030190656A1

; GENERAL INFORMATION:

; APPLICANT: WANG, YIXIN

; TITLE OF INVENTION: BREAST CANCER PROGNOSTIC PORTFOLIO

; FILE REFERENCE: CDS 268 US NP

; CURRENT APPLICATION NUMBER: US/10/393,590

; CURRENT FILING DATE: 2003-03-21

; PRIOR APPLICATION NUMBER: 60/368,789

; PRIOR FILING DATE: 2002-03-29

; NUMBER OF SEQ ID NOS: 100

; SOFTWARE: Patent in version 3.1

; SEQ ID NO 46

; LENGTH: 3311

; TYPE: DNA

; ORGANISM: human

; US-10-393-590-46

Query Match 99.4%; Score 2966.2; DB 15; Length 3311;

Best Local Similarity 99.9%; Pred. No. 0;

Matches 2979; Conservative 0; Mismatches 3; Indels 1; Gaps 1;

Qy 1 GAAATCACAGGAGATGTACAGCAATGGGGCCATTTAAGAGTTCGTGTTCACTTTGATT 60
Db 328 GGAATCACAGGAGATGTACAGCAATGGGGCCATTTAAGAGTTCGTGTTCACTTTGATT 387
Qy 61 CTTCACTCTTCTAGAAGGGCCCTGAGTAATTCACCTCATTGAGTGAACCAATGGCTAT 120
Db 388 CTTCACTCTTCTAGAAGGGCCCTGAGTAATTCACCTCATTGAGTGAACCAATGGCTAT 447
Qy 121 GAAGGCATTGTCGTTGCAATCCGCCCAATGTCGCCAGAGATGAAACACTCATTCAACAA 180
Db 448 GAAGGCATTGTCGTTGCAATCCGCCCAATGTCGCCAGAGATGAAACACTCATTCAACAA 507
Qy 181 ATAAAGGACATCGTGACCCAGGCATCTCTGATCTGTTTGAAGCTACAGGAAGCGATT 240
Db 508 ATAAAGGACATCGTGACCCAGGCATCTCTGATCTGTTTGAAGCTACAGGAAGCGATT 567
Qy 241 TATTTTCAAAATGTTGCCATTTTGCATTTTGAATCTGAAACATGGAAGCAAGGCTGACTATG 300
Db 568 TATTTTCAAAATGTTGCCATTTTGCATTTTGAATCTGAAACATGGAAGCAAGGCTGACTATG 627
Qy 301 AGACCAAACTTGGAGACCTTACAAAATGCTGATGTTCTGTTGCTGAGTCTACTCTCCA 360
Db 628 AGACCAAACTTGGAGACCTTACAAAATGCTGATGTTCTGTTGCTGAGTCTACTCTCCA 687
Qy 361 GGTAAATGTAACCTTACATCTGAGCAGATGGGCAACTGTGGAGAGAGGTTGAAAGATC 420
Db 688 GGTAAATGTAACCTTACATCTGAGCAGATGGGCAACTGTGGAGAGAGGTTGAAAGATC 747
Qy 421 CACCTCCTCTGATTTTCAATTCAGGAAAGTGTAGCTGAATATGGAACCAAGGTAGG 480
Db 748 CACCTCCTCTGATTTTCAATTCAGGAAAGTGTAGCTGAATATGGAACCAAGGTAGG 807
Qy 481 GCATTTGTCATGAGTGGGCTCATCTACGATGGGAGTATTTGACGAGTACATAATGAT 540
Db 808 GCATTTGTCATGAGTGGGCTCATCTACGATGGGAGTATTTGACGAGTACATAATGAT 867
Qy 541 GAGAAATTTCTACTTATCCAAATGGAAGATPACAAGCAGTAAAGATGTTTCAAGAGTATTA 600
Db 868 GAGAAATTTCTACTTATCCAAATGGAAGATPACAAGCAGTAAAGATGTTTCAAGAGTATTA 927
Qy 601 GGTACAAATGTATTAAGAGTGTGAGGAGCGAGCTGTACCCAAAGATGTCACATTC 660
Db 928 GGTACAAATGTATTAAGAGTGTGAGGAGCGAGCTGTACCCAAAGATGTCACATTC 987
Qy 661 AATAAGTAACAGGACTCTATGAAAAAGGATGTGAGTTTGTTCCTCAATCCCGCCAGAG 720
Db 988 AATAAGTTTACAGGACTCTATGAAAAAGGATGTGAGTTTGTTCCTCAATCCCGCCAGAG 1047
Qy 721 GAGAAAGCTTCTATAATGTTTGCACAAATGTTGATTTCTATAGTTTCAATTTCTGTACAGAA 780
Db 1048 GAGAAAGCTTCTATAATGTTTGCACAAATGTTGATTTCTATAGTTTCAATTTCTGTACAGAA 1107
Qy 781 CAAAACCAACAAAGAGCTCCAAACAGCAAAATCAAAAATGCAATCTCCGAGACACA 840
Db 1108 CAAAACCAACAAAGAGCTCCAAACAGCAAAATCAAAAATGCAATCTCCGAGACACA 1167

QY 841 TGGGAAGTGATCCGTGATTCGAGGACTTTAAGAAAAACCACTCCTATGACAAACAGGCCA 900
DB 1168 TGGGAAGTGATCCGTGATTCGAGGACTTTAAGAAAAACCACTCCTATGACAAACAGGCCA 1227
QY 901 CCAATCCCACTCTCTCATTTGCTGCAGATTGGAACAAAGAAATTTGTGTTTGTAGTCCCTTGAC 960
DB 1228 CCAATCCCACTCTCTCATTTGCTGCAGATTGGAACAAAGAAATTTGTGTTTGTAGTCCCTTGAC 1287
QY 961 AAATCTGGAAGCATGGCGACTGGTAACCGCCTCAATCGACTGAATCAAGCAGCGCCAGCTT 1020
DB 1288 AAATCTGGAAGCATGGCGACTGGTAACCGCCTCAATCGACTGAATCAAGCAGCGCCAGCTT 1347
QY 1021 TTCTCTGCTGCAGACAGTTGAGCTGGGCTCCTGGGTTGGGATGGTGACATTTGACAGTGTCT 1080
DB 1348 TTCTCTGCTGCAGACAGTTGAGCTGGGCTCCTGGGTTGGGATGGTGACATTTGACAGTGTCT 1407
QY 1081 GCCCATGTACAAAGTGAATCTATACAGATAAACAGTGGCAGTGACAGGGACACACTCGGCC 1140
DB 1408 GCCCATGTACAAAGTGAATCTATACAGATAAACAGTGGCAGTGACAGGGACACACTCGGCC 1467
QY 1141 AAAAGATTACCTGCAGCAGCTTCAGAGGAGCGTCCATCTGCAGCGGGCTTCGATCGGCCA 1200
DB 1468 AAAAGATTACCTGCAGCAGCTTCAGAGGAGCGTCCATCTGCAGCGGGCTTCGATCGGCCA 1527
QY 1201 TTCTACTGTGATTAGGAAGAAATATCAACTGATGGATCTGAAATTTGCTGCTGACGGAT 1260
DB 1528 TTCTACTGTGATTAGGAAGAAATATCAACTGATGGATCTGAAATTTGCTGCTGACGGAT 1587
QY 1261 GGGGAAGACAAACATATAAGTGGGCTTTAAACGAGGTCAAAACAAAGTGGTGCCATCATC 1320
DB 1588 GGGGAAGACAAACATATAAGTGGGCTTTAAACGAGGTCAAAACAAAGTGGTGCCATCATC 1647
QY 1321 CACACAGTCCGCTTTGGGGCCCTCTGCAGCTCAAGAACTAGAGAGGCTGCCAAAATGACA 1380
DB 1648 CACACAGTCCGCTTTGGGGCCCTCTGCAGCTCAAGAACTAGAGAGGCTGCCAAAATGACA 1707
QY 1381 GGAGGTTTACAGACATATCTTCAGATCAAGTTTCAAGAACATGGGCTCATTTGATGCTTTT 1440
DB 1708 GGAGGTTTACAGACATATCTTCAGATCAAGTTTCAAGAACATGGGCTCATTTGATGCTTTT 1767
QY 1441 GGGGGCCCTTTTCATCAGGAAATGGAGCTGTCTCTCAGCGCTCCATCCAGCTTGAGAGTAAG 1500
DB 1768 GGGGGCCCTTTTCATCAGGAAATGGAGCTGTCTCTCAGCGCTCCATCCAGCTTGAGAGTAAG 1827
QY 1501 GGAATTAACCTTCAGAACAGCCAGTGGATGAATGGCAAGTGAATGGCAAGCAGCACCGTG 1560
DB 1828 GGAATTAACCTTCAGAACAGCCAGTGGATGAATGGCAAGTGAATGGCAAGCAGCACCGTG 1887
QY 1561 GGAAGGACACATTTGTTCTTATCACTGGACAAAGCAGCCCTCCCAATCCTTCTCTGG 1620
DB 1888 GGAAGGACACATTTGTTCTTATCACTGGACAAAGCAGCCCTCCCAATCCTTCTCTGG 1947
QY 1621 GATCCAGTGGACAGAACAGGCTGGCTTTGTAGTGGACAAAACACCAAAATGGCCTAC 1680
DB 1948 GATCCAGTGGACAGAACAGGCTGGCTTTGTAGTGGACAAAACACCAAAATGGCCTAC 2007
QY 1681 CTCCAAAATCCAGGCAATTCCTAAGGTTGGCACTTGGAAATACAGTCTGCAAGCAAGCTCA 1740
DB 2008 CTCCAAAATCCAGGCAATTCCTAAGGTTGGCACTTGGAAATACAGTCTGCAAGCAAGCTCA 2067
QY 1741 CAAACCTTGACCTGACTGCTGACGCTCCGCTGGTCCCAATGCTACCTGCTCCCAATTACA 1800
DB 2068 CAAACCTTGACCTGACTGCTGACGCTCCGCTGGTCCCAATGCTACCTGCTCCCAATTACA 2127
QY 1801 GTGACTTCCAAACCAAGGACACCAAGCAAAATTCACGAGCCCTCTGGTAGTTTATGCA 1860
DB 2128 GTGACTTCCAAACCAAGGACACCAAGCAAAATTCACGAGCCCTCTGGTAGTTTATGCA 2187
QY 1861 AATATTGGCCAAAGGAGCTCCCAATTTCTCAGGGCCAGTGTCAAGCCCTGATTGAATCA 1920
DB 2188 AATATTGGCCAAAGGAGCTCCCAATTTCTCAGGGCCAGTGTCAAGCCCTGATTGAATCA 2247

QY 1921 GTGAATGGAATAACAGATTACCTTGGAACTACTGGATAAATGGAGCAGGTGCTGATCTACT 1980
DB 2248 GTGAATGGAATAACAGATTACCTTGGAACTACTGGATAAATGGAGCAGGTGCTGATCTACT 2307
QY 1981 AAGGATGACGGTGTCTACTCAAGGATTTTCAAACTTATGACACGAATGGTAGATACAGT 2040
DB 2308 AAGGATGACGGTGTCTACTCAAGGATTTTCAAACTTATGACACGAATGGTAGATACAGT 2367
QY 2041 GTAAAGTGGGGCTCTCGGAGGAGTTAAACGAGCAGACGGAGAGTGATACCCAGCAG 2100
DB 2368 GTAAAGTGGGGCTCTCGGAGGAGTTAAACGAGCAGACGGAGAGTGATACCCAGCAG 2427
QY 2101 AGTGAGCAGCTGTACATACCTGGCTGGATTGAGAAATGATGAATCAATGGAAATCCACCA 2160
DB 2428 AGTGAGCAGCTGTACATACCTGGCTGGATTGAGAAATGATGAATCAATGGAAATCCACCA 2487
QY 2161 AGACCTGAAATTAATAAGGATGATGTTCAAACAAGCAAGTGTGTTTCAGCAGAAACATCC 2220
DB 2488 AGACCTGAAATTAATAAGGATGATGTTCAAACAAGCAAGTGTGTTTCAGCAGAAACATCC 2547
QY 2221 TCGGGAGGCTCATTTGTGGCTTCTGATGTCCTCAATGCTCCCATACCTGATCTTCCCA 2280
DB 2548 TCGGGAGGCTCATTTGTGGCTTCTGATGTCCTCAATGCTCCCATACCTGATCTTCCCA 2607
QY 2281 CTTGCCCAAATCAACGACCTGAAGCGGAAATTCACGGGGGCGAGTCTCATTAATCTGACT 2340
DB 2608 CTTGCCCAAATCAACGACCTGAAGCGGAAATTCACGGGGGCGAGTCTCATTAATCTGACT 2667
QY 2341 TGGACAGCTCTCGGGGATGATTAATGAACATGGAACAGCTCAAGTATATCATTCGAATA 2400
DB 2668 TGGACAGCTCTCGGGGATGATTAATGAACATGGAACAGCTCAAGTATATCATTCGAATA 2727
QY 2401 AGTACAAGTATCTTTGATCTCAGAGCAAGTTCAATGAATCTCTTCAAGTGAATCTACT 2460
DB 2728 AGTACAAGTATCTTTGATCTCAGAGCAAGTTCAATGAATCTCTTCAAGTGAATCTACT 2787
QY 2461 GCTCTCATCCAAAGGAAGCCAACTCTGAGGAAGTCTTTTGTGTTTAAACCAAGAAACATT 2520
DB 2788 GCTCTCATCCAAAGGAAGCCAACTCTGAGGAAGTCTTTTGTGTTTAAACCAAGAAACATT 2847
QY 2521 ACTTTTGAATAATGGCACAGATCTTTTCAATGCTATTCAGGCTGTTGTAAGTGCATCTG 2580
DB 2848 ACTTTTGAATAATGGCACAGATCTTTTCAATGCTATTCAGGCTGTTGTAAGTGCATCTG 2907
QY 2581 AAATCAGAAATATCAACATTCAGCAGTACTTTGTTTATTCCTCCACAGACTCCGCCA 2640
DB 2908 AAATCAGAAATATCAACATTCAGCAGTACTTTGTTTATTCCTCCACAGACTCCGCCA 2967
QY 2641 GAGACACCTAGTCTCTGATGAAACGCTGCTCTCTTCTCTTAATATTCATATCAACAGCACC 2700
DB 2968 GAGACACCTAGTCTCTGATGAAACGCTGCTCTTCTCTTAATATTCATATCAACAGCACC 3027
QY 2701 ATTCTGCGATTCACATTTTAAATAATGAGGAAAGTAGGAGAACTGCAGCTGTCA 2760
DB 3028 ATTCTGCGATTCACATTTTAAATAATGAGGAAAGTAGGAGAACTGCAGCTGTCA 3087
QY 2761 ATAGCTAGGGCTGAATTTTGTGAGATAAATAAATAAATCAATTCATCTTTTGTGA 2820
DB 3088 ATAGCTAGGGCTGAATTTTGTGAGATAAATAAATAAATCAATTCATCTTTTGTGA 3146
QY 2821 TTATAAAATTTTCTAAAAATGATTTTGTAGACTTCTGTAGGGGGCGATATATAAATGTAT 2880
DB 3147 TTATAAAATTTTCTAAAAATGATTTTGTAGACTTCTGTAGGGGGCGATATATAAATGTAT 3206
QY 2881 ATAGTACATTTTACTAAATGATTTCTGTAGGGGGCGATATATAAATGTATTTTAGAC 2940
DB 3207 ATAGTACATTTTACTAAATGATTTCTGTAGGGGGCGATATATAAATGTATTTTAGAC 3266
QY 2941 TTCTGTAGGGGGCGATAAATAAATAAATGCTAAACCACTGGGTA 2983
DB 3267 TTCTGTAGGGGGCGATAAATAAATAAATGCTAAACCACTGGGTA 3309

RESULT 12
US-10-393-590-47
; Sequence 47, Application US/10393590
; Publication No. US20030190656A1
; GENERAL INFORMATION:
; APPLICANT: WANG, YIXIN
; TITLE OF INVENTION: BREAST CANCER PROGNOSTIC PORTFOLIO
; FILE REFERENCE: CDS 268 US NP
; CURRENT APPLICATION NUMBER: US/10/393,590
; CURRENT FILING DATE: 2003-03-21
; PRIOR APPLICATION NUMBER: 60/368,789
; PRIOR FILING DATE: 2002-03-29
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 47
; LENGTH: 3311
; TYPE: DNA
; ORGANISM: human
US-10-393-590-47

Query Match 99.4%; Score 2966.2; DB 15; Length 3311;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 2979; Conservative 0; Mismatches 3; Indels 1; Gaps 1;

QY	1	GAATCAGAGGAGATGTACAGCAATGGGGCCATTTAAGAGTTCTGTGTTCACTTTGATT	60
DB	328	GGAAATCACAGGAGATGTACAGCAATGGGGCCATTTAAGAGTTCTGTGTTCACTTTGATT	387
QY	61	CTTCACCTTCTAGAGGGCCCTGAGTAATCACTCACTCAGCTGAACAACTGGCTAT	120
DB	388	CTTCACCTTCTAGAGGGCCCTGAGTAATCACTCACTCAGCTGAACAACTGGCTAT	447
QY	121	GAAGGCAATGTGCTTGCATTCGACCCCAATGTGCGAAGATGAACACACTCAATCAACAA	180
DB	448	GAAGGCAATGTGCTTGCATTCGACCCCAATGTGCGAAGATGAACACACTCAATCAACAA	507
QY	181	ATAAGGACATGGTGACCCAGGCATCTGTATCTGTTTGAAGTACAGGAAGCGATT	240
DB	508	ATAAGGACATGGTGACCCAGGCATCTGTATCTGTTTGAAGTACAGGAAGCGATT	567
QY	241	TATTTCAAAATGTTGCCATTTTGATCTCTGAACATGGAACAAAGGCTGATATG	300
DB	568	TATTTCAAAATGTTGCCATTTTGATCTCTGAACATGGAACAAAGGCTGATATG	627
QY	301	AGACCAAACTTGAGACCTACAAAATGCTGATGTTCTGTTGCTGAGTCTACTCTCCA	360
DB	628	AGACCAAACTTGAGACCTACAAAATGCTGATGTTCTGTTGCTGAGTCTACTCTCCA	687
QY	361	GGTAATGATGAACCCCTACACTGAGCAGATGGGCAACTGTGGAGAGAGGTGAAAGATC	420
DB	688	GGTAATGATGAACCCCTACACTGAGCAGATGGGCAACTGTGGAGAGAGGTGAAAGATC	747
QY	421	CACCTCACTCTGATTTTCAATTCAGAGAAAAGTTAGCTGAATATGGACCAAGGTAGG	480
DB	748	CACCTCACTCTGATTTTCAATTCAGAGAAAAGTTAGCTGAATATGGACCAAGGTAGG	807
QY	481	GCAATTTGTCATGAGTGGGCTCATCTACGATGGGAGTATTTTCAACAGTACAAATATGAT	540
DB	808	GCAATTTGTCATGAGTGGGCTCATCTACGATGGGAGTATTTTCAACAGTACAAATATGAT	867
QY	541	GAGAAATTTACTTATCCAAATGGAAGATCAAGCAGTAAAGTGTTCAGCAGGTATTACT	600
DB	868	GAGAAATTTACTTATCCAAATGGAAGATCAAGCAGTAAAGTGTTCAGCAGGTATTACT	927
QY	601	GGTACAAATGTAGTAAAGAGTGTACGGAGGAGCTGTTTACACCAAAAGATGCACATTC	660
DB	928	GGTACAAATGTAGTAAAGAGTGTACGGAGGAGCTGTTTACACCAAAAGATGCACATTC	987
QY	661	AATAAGTAAACAGGACTCTATGAAAAGGATGTAGTTTGTCTCCCAATCCGCCAGAGC	720
DB	988	AATAAGTAAACAGGACTCTATGAAAAGGATGTAGTTTGTCTCCCAATCCGCCAGAGC	1047
QY	721	GAGAAGGCTTCTATAATGTTTGCAACACATGTTGATTCTTATAGTTGAATTTCTGTACAGAA	780

1048	GAGAAGGCTTCTATAATGTTTGCAACACATGTTGATTCTTATAGTTGAATTTCTGTACAGAA	1107
781	CAAAACCAACAAAGAAAGCTCCAAACAAAGCAAAATCAAAATGCAATCTCCGAAGCACA	840
1108	CAAAACCAACAAAGAAAGCTCCAAACAAAGCAAAATCAAAATGCAATCTCCGAAGCACA	1167
841	TGGGAAGTATCCGTAATCTGAGGACTTTAAGAAAAACCACTCTATGACAAACACAGCCA	900
1168	TGGGAAGTATCCGTAATCTGAGGACTTTAAGAAAAACCACTCTATGACAAACACAGCCA	1227
901	CCAAATCCCACTTCTCATTTGCTGCAGATTGCAAAAGAAATTTGTTAGTCTTGAC	960
1228	CCAAATCCCACTTCTCATTTGCTGCAGATTGCAAAAGAAATTTGTTAGTCTTGAC	1287
961	AAATCTGGAAGCATGGCGACTGTAACCGCTCAATCGACTGAATCAAGCAGCGCAGCTT	1020
1288	AAATCTGGAAGCATGGCGACTGTAACCGCTCAATCGACTGAATCAAGCAGCGCAGCTT	1347
1021	TTCTCTGTCAGACAGTTGAGCTGGGGTCTCGGTTGGATGGTGAACATTTGACATGCT	1080
1348	TTCTCTGTCAGACAGTTGAGCTGGGGTCTCGGTTGGATGGTGAACATTTGACATGCT	1407
1081	GGCCATGTACAAAGTGAACCTCATACAGATAAACAGTGGCAGTACAGGGACACACTCGCC	1140
1408	GGCCATGTACAAAGTGAACCTCATACAGATAAACAGTGGCAGTACAGGGACACACTCGCC	1467
1141	AAAAGATTACCTGTCAGCAGCTTCAGGAGGAGCTCCATCTGACGGGGCTTCGATCGGCA	1200
1468	AAAAGATTACCTGTCAGCAGCTTCAGGAGGAGCTCCATCTGACGGGGCTTCGATCGGCA	1527
1201	TTTACTGTGATTAGGAAGAAATATCCAACTGATGATCTGAAATTTGCTGCTGACGGAT	1260
1528	TTTACTGTGATTAGGAAGAAATATCCAACTGATGATCTGAAATTTGCTGCTGACGGAT	1587
1261	GGGGAAGACAAACATATAAGTGGTCTTTTACGAGGTCAACAAAGTGGTGCATCATC	1320
1588	GGGGAAGACAAACATATAAGTGGTCTTTTACGAGGTCAACAAAGTGGTGCATCATC	1647
1321	CACACAGTCTGCTTTGGGGCCCTCTGAGCTCAAGAACTAGAGAGGTGTCAAAATGACA	1380
1648	CACACAGTCTGCTTTGGGGCCCTCTGAGCTCAAGAACTAGAGAGGTGTCAAAATGACA	1707
1381	GGAGGTTTACAGACATATGCTTCAGATCAAGTTTCAAGCAATGGCCCTCATTTGATGCTTT	1440
1708	GGAGGTTTACAGACATATGCTTCAGATCAAGTTTCAAGCAATGGCCCTCATTTGATGCTTT	1767
1441	GGGGCCCTTTTCAATCAGGAAATGGAGTGTCTCTCAGCGCTCCATCCAGCTTGAGAGTAAG	1500
1768	GGGGCCCTTTTCAATCAGGAAATGGAGTGTCTCTCAGCGCTCCATCCAGCTTGAGAGTAAG	1827
1501	GGATTAAACCTCCAGAACAGCCAGTGGATGAATGGCAGAGTATCGTGACAGCACCGTG	1560
1828	GGATTAAACCTCCAGAACAGCCAGTGGATGAATGGCAGAGTATCGTGACAGCACCGTG	1887
1561	GGAAAGGACATTTTGTCTTATCACTGGACAAACAGCGCTCCCAAAATCTCTCTGG	1620
1888	GGAAAGGACATTTTGTCTTATCACTGGACAAACAGCGCTCCCAAAATCTCTCTGG	1947
1621	GATCCAGTGGACAGAAAGGCTTTGTAGTGGACAAAACACCAAAATGGGCTTAC	1680
1948	GATCCAGTGGACAGAAAGGCTTTGTAGTGGACAAAACACCAAAATGGGCTTAC	2007
1681	CTCCAAATCCCAAGGCAATTCGTAAGTTGGCACTTGGAAATACAGTCTGCAAGCAAGCTCA	1740
2008	CTCCAAATCCCAAGGCAATTCGTAAGTTGGCACTTGGAAATACAGTCTGCAAGCAAGCTCA	2067
1741	CAAACTTTCACCTGACTGTCACTGCTCCCGTCCCAATGCTACCTGCTCCCAATTACA	1800
2068	CAAACTTTCACCTGACTGTCACTGCTCCCGTCCCAATGCTACCTGCTCCCAATTACA	2127
1801	GTGACTTCCAAAACGAAACAGGACACCAAGAAATTTCCCGAGGCTCTGTGATGTTATGCA	1860

Db 2128 GTGACTTCCAAAACGAAACGAGACACAGCAAAATTCCTCCAGCCCTCTGGTAGTTTATGCA 2187
Qy 1861 ATATTCGCAAGGAGCCTCCCAATTCCTCAGGCGCAGTGTACAGCCCTGATTAATCA 1920
Db 2188 ATATTCGCAAGGAGCCTCCCAATTCCTCAGGCGCAGTGTACAGCCCTGATTAATCA 2247
Qy 1921 GTGAATGGAACACAGTTACTTGGAACTACTGGATAATGGAGCAGGTGCTGATGCTACT 1980
Db 2248 GTGAATGGAACACAGTTACTTGGAACTACTGGATAATGGAGCAGGTGCTGATGCTACT 2307
Qy 1981 AAGGATGACGGTGTCTACTCAAGTATTTCACAACTTATGACAGCAATGGTATGATACAGT 2040
Db 2308 AAGGATGACGGTGTCTACTCAAGTATTTCACAACTTATGACAGCAATGGTATGATACAGT 2367
Qy 2041 GTAAAGTCCGGCTCTGGAGAGCTTAACGCGAGCGAGCGAGAGTGTATCCCGAGCAG 2100
Db 2368 GTAAAGTCCGGCTCTGGAGAGCTTAACGCGAGCGAGCGAGAGTGTATCCCGAGCAG 2427
Qy 2101 AGTGGAGCACTGTACATACCTGGCTGGATTGAGAAATGAGAAATCAATGGAATCCACCA 2160
Db 2428 AGTGGAGCACTGTACATACCTGGCTGGATTGAGAAATGAGAAATCAATGGAATCCACCA 2487
Qy 2161 AGACCTGAAATTAATTAAGGATGATTTCAACACAGCAAGTGTGTTTCAGCAGAAATCC 2220
Db 2488 AGACCTGAAATTAATTAAGGATGATTTCAACACAGCAAGTGTGTTTCAGCAGAAATCC 2547
Qy 2221 TCGGAGGCTCATTTGTGCTTCTGATGTCCCAATGCTCCCATACCTGATCTCTCCCA 2280
Db 2548 TCGGAGGCTCATTTGTGCTTCTGATGTCCCAATGCTCCCATACCTGATCTCTCCCA 2607
Qy 2281 CTGCGCAAAATCAACCACTGAAAGCGGAAATTCAGCGGGGAGTCTCAATTAATCTGACT 2340
Db 2608 CTGCGCAAAATCAACCACTGAAAGCGGAAATTCAGCGGGGAGTCTCAATTAATCTGACT 2667
Qy 2341 TGGACAGCTCCTGGGAGATTAATGACCAATGGAACAGCTCACAGPATATCATTTGGAATA 2400
Db 2668 TGGACAGCTCCTGGGAGATTAATGACCAATGGAACAGCTCACAGPATATCATTTGGAATA 2727
Qy 2401 AGTACAGATTTCTTGATCTCAGACAGAACTTCAATGAATCTCTTCAAGTGAATACTACT 2460
Db 2728 AGTACAGATTTCTTGATCTCAGACAGAACTTCAATGAATCTCTTCAAGTGAATACTACT 2787
Qy 2461 GCTCTCATCCCAAGGAAGCAACTCTGAGGAAGTCTTTTGTGTTTAAACAGAAACATTT 2520
Db 2788 GCTCTCATCCCAAGGAAGCAACTCTGAGGAAGTCTTTTGTGTTTAAACAGAAACATTT 2847
Qy 2521 ACTTTTGAATAATGGCAGACATCTTTTCATTTGCTATTTCAGGCTGTTGATTAAGTTCGATCTG 2580
Db 2848 ACTTTTGAATAATGGCAGACATCTTTTCATTTGCTATTTCAGGCTGTTGATTAAGTTCGATCTG 2907
Qy 2581 AAATCAGAAATATCGAAATGCAAGATATCTTTGTTTATTTCTCCACAGACTCCGCCA 2640
Db 2908 AAATCAGAAATATCGAAATGCAAGATATCTTTGTTTATTTCTCCACAGACTCCGCCA 2967
Qy 2641 GAGACACCTAGTCTCATGAAAGCTGCTGCTTCTTGTCTTAATTCATATCAACAGCACC 2700
Db 2968 GAGACACCTAGTCTCATGAAAGCTGCTGCTTGTCTTAATTCATATCAACAGCACC 3027
Qy 2701 ATTCTCGCATTCACATTTTAAATAATTTATGTGGAAGTGGATAGGAACTGAGCTGTCA 2760
Db 3028 ATTCTCGCATTCACATTTTAAATAATTTATGTGGAAGTGGATAGGAACTGAGCTGTCA 3087
Qy 2761 ATAGCCTAGGCTGAATTTTGTTCAGATAATAATAATAATCAATTCATCTTTTGTGCA 2820
Db 3088 ATAGCCTAGGCTGAATTTTGTTCAGATAATAATAATAATCAATTCATCTTTTGTGCA 3146
Qy 2821 TTATAAAATTTCTAAATTTATTTTGTAGACTTCTCTAGGGCGGATATACTAAATGTAT 2880
Db 3147 TTATAAAATTTCTAAATTTATTTTGTAGACTTCTCTAGGGCGGATATACTAAATGTAT 3206
Qy 2881 ATAGTACATTTATTAATTTATTTCTCTAGGGCGGATATACTAAATGTATTTTGTAGAC 2940
Db 3207 ATAGTACATTTATTAATTTATTTCTCTAGGGCGGATATACTAAATGTATTTTGTAGAC 3266

Qy 2941 TTCCTGTAGGGCGGATATAAATAAATAAATGCTAAACCAACTGGGTA 2983
Db 3267 TTCCTGTAGGGCGGATATAAATAAATAAATGCTAAACCAACTGGGTA 3309

RESULT 13

US-10-393-567-11
; Sequence 11, Application US/10393567
; Publication No. US20030194733A1
; GENERAL INFORMATION:
; APPLICANT: WANG, YIXIN
; TITLE OF INVENTION: CANCER DIAGNOSTIC PANEL
; FILE REFERENCE: CDS 269 US NP
; CURRENT APPLICATION NUMBER: US/10/393,567
; CURRENT FILING DATE: 2003-03-21
; PRIOR APPLICATION NUMBER: 60/368,667
; PRIOR FILING DATE: 2002-03-29
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 11
; LENGTH: 3311
; TYPE: DNA
; ORGANISM: human
US-10-393-567-11

Query Match 99.4%; Score 2966.2; DB 15; Length 3311;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 2979; Conservative 0; Mismatches 3; Indels 1; Gaps 1;

Qy 1 GAAATCACAGGAGAGATGTACAGCAATGGGGCCATTAAAGAGTTCTGTGTTCACTTTGATT 60
Db 328 GGAATCACAGGAGAGATGTACAGCAATGGGGCCATTAAAGAGTTCTGTGTTCACTTTGATT 387
Qy 61 CTTCACTTCTAGAGGGGCCCTGAGTAATTCATCTCACTCACTCACTCACTCACTCACTCACTCA 120
Db 308 CTTCACTTCTAGAGGGGCCCTGAGTAATTCATCTCACTCACTCACTCACTCACTCACTCACTCA 447
Qy 121 GNAGGCATTTGCTTGCATCGACCCCAATGTCAGAGAGATGAACTCACTCACTCACTCACTCACTCA 180
Db 448 GAAGGCATTTGCTTGCATCGACCCCAATGTCAGAGAGATGAACTCACTCACTCACTCACTCACTCA 507
Qy 181 ATAAAGACATGGTGCACCCAGGCATCTCTGTATCTGTTTGAAGCTACAGGAAGCGATTT 240
Db 508 ATAAAGACATGGTGCACCCAGGCATCTCTGTATCTGTTTGAAGCTACAGGAAGCGATTT 567
Qy 241 TATTTCAAAAATGTTGCCATTTTGATTCCTGAAAATGGAAGACAAAGGCTGACTATGTG 300
Db 568 TATTTCAAAAATGTTGCCATTTTGATTCCTGAAAATGGAAGACAAAGGCTGACTATGTG 627
Qy 301 AGACCAAACTTGAGACCTACAAAATGCTGATGTTCTGTTGCTGAGTCTACTCTCTCCA 360
Db 628 AGACCAAACTTGAGACCTACAAAATGCTGATGTTCTGTTGCTGAGTCTACTCTCTCCA 687
Qy 361 GGTAAATGATGAACCTTACACTGAGCAGATGGGCAACTGTGGAGAGAAGGTTCAAAAGGATC 420
Db 688 GGTAAATGATGAACCTTACACTGAGCAGATGGGCAACTGTGGAGAGAAGGTTCAAAAGGATC 747
Qy 421 CACCTCACTCTCTGATTTTCATTTGACAGAAAAGTTAGCTGAAATATGGACCAAGAGTAGG 480
Db 748 CACCTCACTCTCTGATTTTCATTTGACAGAAAAGTTAGCTGAAATATGGACCAAGAGTAGG 807
Qy 481 GCATTTGCTCATGAGTGGGCTCATCTACGATGGGAGTATTTTTCAGAGTACAAATATGAT 540
Db 808 GCATTTGCTCATGAGTGGGCTCATCTACGATGGGAGTATTTTTCAGAGTACAAATATGAT 867
Qy 541 GAGAAATCTACTTATCCAATGGAAGATAACAAGCAGTAAGATGTTTCAGCAGGTATTTACT 600
Db 868 GAGAAATCTACTTATCCAATGGAAGATAACAAGCAGTAAGATGTTTCAGCAGGTATTTACT 927
Qy 601 GGTAACAATGTAGTAAAGAGTGTGAGGAGGCGACTGTTTACACCAAAAGATGACATTC 660
Db 928 GGTAACAATGTAGTAAAGAGTGTGAGGAGGCGACTGTTTACACCAAAAGATGACATTC 987

661 AATAAAGTAAACAGGACTCTATGAAAAAGGATGTGAGTTGTTCTCCAATCCGCCAGAGC 720
Db |||||
988 AATAAAGTTACAGGACTCTATGAAAAAGGATGTGAGTTGTTCTCCAATCCGCCAGAGC 1047
Qy |||||
721 GAGAAGGCTTCTAATATGTTTGCACACATGTTGATTTCTATAGTTGAAATCTGTACAGAA 780
Db |||||
1048 GAGAAGGCTTCTAATATGTTTGCACACATGTTGATTTCTATAGTTGAAATCTGTACAGAA 1107
Qy |||||
781 CAAAAACAACAAGAGGCTCCAAACAAGCAAAATCAAAAATGCAATCTCCGAAGCACA 840
Db |||||
1108 CAAAAACAACAAGAGGCTCCAAACAAGCAAAATCAAAAATGCAATCTCCGAAGCACA 1167
Qy |||||
841 TGGGAAGTGATCCGTGATTCGAGGACTTTAAGAAAAACCACTCCTATGACAACACAGCCA 900
Db |||||
1168 TGGGAAGTGATCCGTGATTCGAGGACTTTAAGAAAAACCACTCCTATGACAACACAGCCA 1227
Qy |||||
901 CCAATCCCACTTCTCATTTGCTGCGAGATTGGACAAAGAAATGTGTGTTAGTCCCTTGAC 960
Db |||||
1228 CCAATCCCACTTCTCATTTGCTGCGAGATTGGACAAAGAAATGTGTGTTAGTCCCTTGAC 1287
Qy |||||
961 AAATCTGGAAGCATGGCGACTGTAAACCGCTCAATCGACTGAATCAAGCAGGCCAGCTT 1020
Db |||||
1288 AAATCTGGAAGCATGGCGACTGTAAACCGCTCAATCGACTGAATCAAGCAGGCCAGCTT 1347
Qy |||||
1021 TTCTCTGTCAGACAGTTGAGCTGGGTCCTGGGTTGGGATGGTGACATTTGACAGTGCT 1080
Db |||||
1348 TTCTCTGTCAGACAGTTGAGCTGGGTCCTGGGTTGGGATGGTGACATTTGACAGTGCT 1407
Qy |||||
1081 GCCATGTACAAAGTGAATCATACAGATGAACAGTGGCGAGTGACAGGGACACACTCGCC 1140
Db |||||
1408 GCCATGTGAACAAAGTGAATCATACAGATGAACAGTGGCGAGTGACAGGGACACACTCGCC 1467
Qy |||||
1141 AAAAGATTACTCGACAGCTTCAGAGGAGAGCTCCATCTGACAGCGGCTTCGATCGGCA 1200
Db |||||
1468 AAAAGATTACTCGACAGCTTCAGAGGAGAGCTCCATCTGACAGCGGCTTCGATCGGCA 1527
Qy |||||
1201 TTPTACTGTGATTAGGAAGAAATATCAACTGATGGATCTGAAATTTGTGCTGACGGAT 1260
Db |||||
1528 TTPTACTGTGATTAGGAAGAAATATCAACTGATGGATCTGAAATTTGTGCTGACGGAT 1587
Qy |||||
1261 GGGGAAGACAACTATAGTGGGTCCTTAAAGAGGTCAACAAAGTGGTGCATCATC 1320
Db |||||
1588 GGGGAAGACAACTATAGTGGGTCCTTAAAGAGGTCAACAAAGTGGTGCATCATC 1647
Qy |||||
1321 CACACAGTCCGTTTGGGGCCCTCTGAGCTCAAGAACTAGAGAGCTGTCCAAAATGACA 1380
Db |||||
1648 CACACAGTCCGTTTGGGGCCCTCTGAGCTCAAGAACTAGAGAGCTGTCCAAAATGACA 1707
Qy |||||
1381 GGAGGTTTACAGACATATGCTTCAGATCAAGTTCAAGAACTAGAGAGCTGTCCAAAATGACA 1440
Db |||||
1708 GGAGGTTTACAGACATATGCTTCAGATCAAGTTCAAGAACTAGAGAGCTGTCCAAAATGACA 1767
Qy |||||
1441 GGGGCCCTTTTCATCAGGAAATGAGCTGTCTCAGGGTCCATCAGCTTGAGAGTAAG 1500
Db |||||
1768 GGGGCCCTTTTCATCAGGAAATGAGCTGTCTCAGGGTCCATCAGCTTGAGAGTAAG 1827
Qy |||||
1501 GGAATTAACCTCCAGAACCCAGTGGATGAATGGCACAGTGTGCTGGACAGCCGCTG 1560
Db |||||
1828 GGAATTAACCTCCAGAACCCAGTGGATGAATGGCACAGTGTGCTGGACAGCCGCTG 1887
Qy |||||
1561 GGAAGGACACTTTGTTTCTTATCACTGGACAAACGAGCTCCCAAAATCCTTCTCTGG 1620
Db |||||
1888 GGAAGGACACTTTGTTTCTTATCACTGGACAAACGAGCTCCCAAAATCCTTCTCTGG 1947
Qy |||||
1621 GATCCAGTGGACAGAGCAAGTGGCTTTGATGGACAACAAACACCAAAATGGCCTAC 1680
Db |||||
1948 GATCCAGTGGACAGAGCAAGTGGCTTTGATGGACAACAAACACCAAAATGGCCTAC 2007
Qy |||||
1681 CTCCAATCCAGGCAATGCTAGGTTGGCACTTGGAAATACAGTCTGCAAGCAAGCTCA 1740
Db |||||
2008 CTCCAATCCAGGCAATGCTAGGTTGGCACTTGGAAATACAGTCTGCAAGCAAGCTCA 2067

1741 CAAAACCTTGACCTCTGACTCTGACGTCCTCGTGGGTCCAAATGCTACCTGCCTCCAAATTACA 1800
Db |||||
2068 CAAAACCTTGACCTCTGACTCTGACGTCCTCGTGGGTCCAAATGCTACCTGCCTCCAAATTACA 2127
Qy |||||
1801 GTGACTTCCAAACAGAACAGACACAGCAAAATCCCCAGCCCTCTGGTAGTTTATGCA 1860
Db |||||
2128 GTGACTTCCAAACAGAACAGACACAGCAAAATCCCCAGCCCTCTGGTAGTTTATGCA 2187
Qy |||||
1861 AATATTTCGCAAGGAGCCTCCCAATTTCTCAGGCCAGTGTCAACAGCCCTGATTGAATCA 1920
Db |||||
2188 AATATTTCGCAAGGAGCCTCCCAATTTCTCAGGCCAGTGTCAACAGCCCTGATTGAATCA 2247
Qy |||||
1921 GTGAATGGAATAAACAAGTTACCTTTGGAATACTGGAATAATGGAGCAGTGTGATGCTACT 1980
Db |||||
2248 GTGAATGGAATAAACAAGTTACCTTTGGAATACTGGAATAATGGAGCAGTGTGATGCTACT 2307
Qy |||||
1981 AAGGATGACGGTGTCTACTCAAGGATTTTCAACAACTTATGACACGAATGGTAGATACAGT 2040
Db |||||
2308 AAGGATGACGGTGTCTACTCAAGGATTTTCAACAACTTATGACACGAATGGTAGATACAGT 2367
Qy |||||
2041 GTAAAAAGTGGGGCTCTGGGAGGAGTTAAACGACGACGAGAGAGTGTATACCCAGCAG 2100
Db |||||
2368 GTAAAAAGTGGGGCTCTGGGAGGAGTTAAACGACGACGAGAGAGTGTATACCCAGCAG 2427
Qy |||||
2101 AGTGGAGCACTGTATACATACTGCTGGATTTGAGAATGATGAATACAATGGAATCCACCA 2160
Db |||||
2428 AGTGGAGCACTGTATACATACTGCTGGATTTGAGAATGATGAATACAATGGAATCCACCA 2487
Qy |||||
2161 AGACCTGGAATTAATAAGGATGATTTCAACAAGCAAGTGTGTTTTCAGCAGAAATCC 2220
Db |||||
2488 AGACCTGGAATTAATAAGGATGATTTCAACAAGCAAGTGTGTTTTCAGCAGAAATCC 2547
Qy |||||
2221 TCGGAGGCTCATTTTGTGGCTTCTGATGTCCCAAAATGCTCCCATCTGATCTCTTCCCA 2280
Db |||||
2548 TCGGAGGCTCATTTTGTGGCTTCTGATGTCCCAAAATGCTCCCATCTGATCTCTTCCCA 2607
Qy |||||
2281 CTTGGCCAAATCACCGACTGAAAGCGGAAATTCAGGGGGCAGTCTCATTAATCTGACT 2340
Db |||||
2608 CTTGGCCAAATCACCGACTGAAAGCGGAAATTCAGGGGGCAGTCTCATTAATCTGACT 2667
Qy |||||
2341 TGGACAGCTCTCGGGGATGATTTATGACCATGGAACAGCTCACAAATATATCATTCGAATA 2400
Db |||||
2668 TGGACAGCTCTCGGGGATGATTTATGACCATGGAACAGCTCACAAATATATCATTCGAATA 2727
Qy |||||
2401 AGTACAAATGATTTCTGATCTCAGACAAAGTTCAATGAATCTCTTCAAGTGAATCTACT 2460
Db |||||
2728 AGTACAAATGATTTCTGATCTCAGACAAAGTTCAATGAATCTCTTCAAGTGAATCTACT 2787
Qy |||||
2461 GCTCTCATCCCAAGGAAGCCAACTCTGAGGAAGTCTTTTGTGTTTAAACCCAGAAAACATT 2520
Db |||||
2788 GCTCTCATCCCAAGGAAGCCAACTCTGAGGAAGTCTTTTGTGTTTAAACCCAGAAAACATT 2847
Qy |||||
2521 ACTTTGAAAATGGACAGATCTTTTCATTTGCTTATTCAGGCTGTTGATAGGTCGATCTG 2580
Db |||||
2848 ACTTTGAAAATGGACAGATCTTTTCATTTGCTTATTCAGGCTGTTGATAGGTCGATCTG 2907
Qy |||||
2581 AAATCAGAAATATCCAAACATTCGACAGTATCTTTGTTTATTCCTCCACAGACTCCGCCA 2640
Db |||||
2908 AAATCAGAAATATCCAAACATTCGACAGTATCTTTGTTTATTCCTCCACAGACTCCGCCA 2967
Qy |||||
2641 GAGACACTAGTCTCGATGAAAGCTGCTGCTTCTTGTCTTAATATTCATATCAACAGCACC 2700
Db |||||
2968 GAGACACTAGTCTCGATGAAAGCTGCTGCTTCTTGTCTTAATATTCATATCAACAGCACC 3027
Qy |||||
2701 ATTCTGGCATTCACATTTTAAATAATTTGGAAGTGGATAGGAACTGACAGTGTCA 2760
Db |||||
3028 ATTCTGGCATTCACATTTTAAATAATTTGGAAGTGGATAGGAACTGACAGTGTCA 3087
Qy |||||
2761 ATAGCCTAGGCTGAAATTTTGTGAGATAAATAAATAATCATTCATCTCTTTTTTTGA 2820
Db |||||
3088 ATAGCCTAGGCTGAAATTTTGTGAGATAAATAAATAATCATTCATCTCTTTTTTTGA 3146
Qy |||||
2821 TTATAAAATTTTCTAAATATGATTTTATAGACTTCTCTGAGGGGCGATATATACTAAATGTAT 2880

Db 3147 TTATAAAATTTCTAAATGTATTTTAGACTTCTCTAGGGGCGGATATACATAAATGTAT 3206
Qy 2881 ATAGTACATTTATCTAAATGTATTTCTCTAGGGGCGGATATACATAAATGTATTTAGAC 2940
Db 3207 ATAGTACATTTATCTAAATGTATTTCTCTAGGGGCGGATATACATAAATGTATTTAGAC 3266
Qy 2941 TTCTCTAGGGGCGGATATTAATAAATGTCTAAACACTGGGTA 2983
Db 3267 TTCTCTAGGGGCGGATATTAATAAATGTCTAAACACTGGGTA 3309

RESULT 14

US-10-393-567-12
; Sequence 12, Application US/10393567
; Publication No. US20030194733A1
; GENERAL INFORMATION:
; APPLICANT: WANG, YIXIN
; TITLE OF INVENTION: CANCER DIAGNOSTIC PANEL
; FILE REFERENCE: CDS 269 US NP
; CURRENT APPLICATION NUMBER: US/10/393,567
; PRIOR FILING DATE: 2003-03-21
; PRIOR APPLICATION NUMBER: 60/368,667
; PRIOR FILING DATE: 2002-03-29
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 12
; LENGTH: 3311
; TYPE: DNA
; ORGANISM: human
US-10-393-567-12

Query Match 99.4%; Score 2966.2; DB 15; Length 3311;

Best Local Similarity 99.9%; Pred. No. 0;
Matches 2979; Conservative 0; Mismatches 3; Indels 1; Gaps 1;

Qy 1 GAAATCACAGGAGATGTACAGCAATGGGGCCATTTAAGAGTTCTGTGTTCACTCTTGATT 60
Db 328 GGAATCACAGGAGATGTACAGCAATGGGGCCATTTAAGAGTTCTGTGTTCACTCTTGATT 387
Qy 61 CTTCACTTTCTAGAGGGGCCCTGAGTAATCACTCATTCAGCTGAACCAACAATGGCTAT 120
Db 388 CTTCACTTTCTAGAGGGGCCCTGAGTAATCACTCATTCAGCTGAACCAACAATGGCTAT 447
Qy 121 GAAGGCAATGTCGTTGCAATCGACCCCAATGTCGAGAGATGAACACTCTATTCAACAA 180
Db 448 GAAGGCAATGTCGTTGCAATCGACCCCAATGTCGAGAGATGAACACTCTATTCAACAA 507
Qy 181 ATAAAGGACATGTTGACCCAGGCATCTCTGTATCTGTTTGAAGCTACAGGAAGCGATT 240
Db 508 ATAAAGGACATGTTGACCCAGGCATCTCTGTATCTGTTTGAAGCTACAGGAAGCGATT 567
Qy 241 TATTTCAAAAATGTTGCCATTTTGAATTCCTGAAACATGGAAGACAAAGGCTGACTATGTG 300
Db 568 TATTTCAAAAATGTTGCCATTTTGAATTCCTGAAACATGGAAGACAAAGGCTGACTATGTG 627
Qy 301 AGACCAAAATCTGAGACCTACAAAATGCTGATGTTCTGGTGGTCTGAGTCTACTCTCCA 360
Db 628 AGACCAAAATCTGAGACCTACAAAATGCTGATGTTCTGGTGGTCTGAGTCTACTCTCCA 687
Qy 361 GGTAAATGATGAACCTTACACTGAGCAGATGGGCACTGTGGAGAGAAAGGTTGAAGGATC 420
Db 688 GGTAAATGATGAACCTTACACTGAGCAGATGGGCACTGTGGAGAGAAAGGTTGAAGGATC 747
Qy 421 CACCTCACTCTGATTTTCAATTCAGGAAAAAGTTAGCTGAATATGGAACCAAGGTAGG 480
Db 748 CACCTCACTCTGATTTTCAATTCAGGAAAAAGTTAGCTGAATATGGAACCAAGGTAGG 807
Qy 481 GCATTTGTCCTCAGTGGGCTCATCTACGATGGGAGTATTTGACGAGTACAAATATGAT 540
Db 808 GCATTTGTCCTCAGTGGGCTCATCTACGATGGGAGTATTTGACGAGTACAAATATGAT 867
Qy 541 GAGAAATTTCTACTTATCCAATGGAAGATACAGCAGTAAGATGTTTCAGCAGGTATTACT 600

Db 868 GAGAAATTTCTACTTATCCAATGGAAGATACAAAGCAGTAAGATGTTTCAGCAGGTATTACT 927
Qy 601 GGTACAAATGTAGTAAAGAGTGTCCAGGAGCGACTGTTACCAAAAAGATGCAATTC 660
Db 928 GGTACAAATGTAGTAAAGAGTGTCCAGGAGCGACTGTTACCAAAAAGATGCAATTC 987
Qy 661 AATAAAGTAAACAGGACTCTATGAAAAAGGATGTGAGTTTGTCTCCAAATCCCGCCAGACG 720
Db 988 AATAAAGTAAACAGGACTCTATGAAAAAGGATGTGAGTTTGTCTCCAAATCCCGCCAGACG 1047
Qy 721 GAGAAAGGCTTCTATAATGTTTGCAACAATGTTGATCTTATAGTTGAAATTCCTGTACAGAA 780
Db 1048 GAGAAAGGCTTCTATAATGTTTGCAACAATGTTGATCTTATAGTTGAAATTCCTGTACAGAA 1107
Qy 781 CAAAACCAACAAGAGAGCTCCAAACAAGCAAAATCAAAAATGCAATCTCCGAAGCAC 840
Db 1108 CAAAACCAACAAGAGAGCTCCAAACAAGCAAAATCAAAAATGCAATCTCCGAAGCAC 1167
Qy 841 TGGGAAGTATCCGTTGATTTCTGAGGACTTTAAGAAAAACCACTCTTATGACAAACAGACCA 900
Db 1168 TGGGAAGTATCCGTTGATTTCTGAGGACTTTAAGAAAAACCACTCTTATGACAAACAGACCA 1227
Qy 901 CCAAAATCCACCTTCTCATTTGCTGCAGATTGACAAAAGAAATTTGTGTTTGTCTCTTGAC 960
Db 1228 CCAAAATCCACCTTCTCATTTGCTGCAGATTGACAAAAGAAATTTGTGTTTGTCTCTTGAC 1287
Qy 961 AAATCTGGAAGCATGGGCACTGGTAAACCGCTCAATGCAATCAAGCAGGCGCAGCTT 1020
Db 1288 AAATCTGGAAGCATGGGCACTGGTAAACCGCTCAATGCAATCAAGCAGGCGCAGCTT 1347
Qy 1021 TTCTCTGCTGCAGACAGTTGAGCTGGGCTCTGGGTTGGAGTGGTGACATTTTGACAGTGTCT 1080
Db 1348 TTCTCTGCTGCAGACAGTTGAGCTGGGCTCTGGGTTGGAGTGGTGACATTTTGACAGTGTCT 1407
Qy 1081 GCCCATGTACAAAGTGAATCTCATACAGATAAACAAGTGGCAGTGACAGGAGACACCTCGCC 1140
Db 1408 GCCCATGTACAAAGTGAATCTCATACAGATAAACAAGTGGCAGTGACAGGAGACACCTCGCC 1467
Qy 1141 AAAAGATTACCTGCAGCAGCTTTCAGAGGAGAGCTCCATCTGCAGCGGCTTCGATCGGCA 1200
Db 1468 AAAAGATTACCTGCAGCAGCTTTCAGAGGAGAGCTCCATCTGCAGCGGCTTCGATCGGCA 1527
Qy 1201 TTTTACTGTGATTAGCAAGAAATATCCAACTGATGATCTGAAATTTGTGCTGTCGCGGAT 1260
Db 1528 TTTTACTGTGATTAGCAAGAAATATCCAACTGATGATCTGAAATTTGTGCTGTCGCGGAT 1587
Qy 1261 GGGGAAGACAAACATATAAGTGGGTGCTTTAAACGAGGTCAAAACAAAGTGGTGGCCATCATC 1320
Db 1588 GGGGAAGACAAACATATAAGTGGGTGCTTTAAACGAGGTCAAAACAAAGTGGTGGCCATCATC 1647
Qy 1321 CACACAGTCGCTTTGGGGCCCTCTGCAGCTCAAGAACTAGAGGAGTGTCCAAAATGACA 1380
Db 1648 CACACAGTCGCTTTGGGGCCCTCTGCAGCTCAAGAACTAGAGGAGTGTCCAAAATGACA 1707
Qy 1381 GGAGGTTTACAGACATATGCTTTCAGATCAAGTTTCAGAAACAATGGGCTCATTCATGCTTTT 1440
Db 1708 GGAGGTTTACAGACATATGCTTTCAGATCAAGTTTCAGAAACAATGGGCTCATTCATGCTTTT 1767
Qy 1441 GGGGGCCCTTTTCATCAGGAAATGGAGCTGTCTCTCAGCGCTCCATCCAGCTTTCAGAGTAAG 1500
Db 1768 GGGGGCCCTTTTCATCAGGAAATGGAGCTGTCTCTCAGCGCTCCATCCAGCTTTCAGAGTAAG 1827
Qy 1501 GGAATTAACCTCCAGAACAGCCAGTGGATGAATGACACAGTGAATCGTGGACAGCACCCTG 1560
Db 1828 GGAATTAACCTCCAGAACAGCCAGTGGATGAATGACACAGTGAATCGTGGACAGCACCCTG 1887
Qy 1561 GGAAGGACACTTTTCTTTCTTATACCTGGACAAACGAGCCCTCCCAAAATCTTCTCTCG 1620
Db 1888 GGAAGGACACTTTTCTTTCTTATACCTGGACAAACGAGCCCTCCCAAAATCTTCTCTCG 1947
Qy 1621 GATCCAGTGGACAGAAAGGTTGGCTTGTAGTGGACAAAAACCAAAAATGGCTTAC 1680

Db 1948 GATCCAGTGGACAGCAAGGTGGCTTTGTAGTGGACAAAACACCAAAATGGCCTAC 2007
Qy 1681 CTCAAAATCCAGCGATTGCTAAGTTGGCACTTGGAAATACAGTCTGCAAGCAAGCTCA 1740
Db 2008 CTCAAAATCCAGCGATTGCTAAGTTGGCACTTGGAAATACAGTCTGCAAGCAAGCTCA 2067
Qy 1741 CAAACCTTGACCTGCTGCTCAGTCCGCTGCGTCCAAATGCTACCTGCTCCAAATACA 1800
Db 2068 CAAACCTTGACCTGCTGCTCAGTCCGCTGCGTCCAAATGCTACCTGCTCCAAATACA 2127
Qy 1801 GTGACTTCCAAAACGAAACAGGACACCAAGCAATTCCTCCAGCCCTCTGGTAGTTATGCA 1860
Db 2128 GTGACTTCCAAAACGAAACAGGACACCAAGCAATTCCTCCAGCCCTCTGGTAGTTATGCA 2187
Qy 1861 AATATTGGCAAGGAGCCTCCCAATTTCTCAGGGCCAGTGTACAGCCCTGATTTGAATCA 1920
Db 2188 AATATTGGCAAGGAGCCTCCCAATTTCTCAGGGCCAGTGTACAGCCCTGATTTGAATCA 2247
Qy 1921 GTGAATGGAAAAACAGTTACCTTGGAACTACTGGAATATGGACAGGTGCTGATCTACT 1980
Db 2248 GTGAATGGAAAAACAGTTACCTTGGAACTACTGGAATATGGACAGGTGCTGATCTACT 2307
Qy 1981 AAGGATGACGGTGTCTACTCAAGGTATTTTCAAACTTTATGACACGAATGCTAGATACAGT 2040
Db 2308 AAGGATGACGGTGTCTACTCAAGGTATTTTCAAACTTTATGACACGAATGCTAGATACAGT 2367
Qy 2041 GTAAAAGTGGGGCTCTGGGAGGAGTTAAACGACCCAGAGAGTGTATACCCAGCAG 2100
Db 2368 GTAAAAGTGGGGCTCTGGGAGGAGTTAAACGACCCAGAGAGTGTATACCCAGCAG 2427
Qy 2101 AGTGGAGCACTGTACATACCTGCTGGATTGAGAAATGAGAAATACAATGGAATCCACCA 2160
Db 2428 AGTGGAGCACTGTACATACCTGCTGGATTGAGAAATGAGAAATACAATGGAATCCACCA 2487
Qy 2161 AGACCTGAAATTAATTAAGGATGATTTCAACACAGCAAGTGTGTTTACGACGAATCC 2220
Db 2488 AGACCTGAAATTAATTAAGGATGATTTCAACACAGCAAGTGTGTTTACGACGAATCC 2547
Qy 2221 TCGGGAGGCTCAATTTGTGGCTTCTGATGTCCCAATGCTCCCATACCTGATCTCTCCCA 2280
Db 2548 TCGGGAGGCTCAATTTGTGGCTTCTGATGTCCCAATGCTCCCATACCTGATCTCTCCCA 2607
Qy 2281 CTGGGCCAAATCAACCGACCTGAAGGCGGAAATTCACGGGGGAGTCTCATTAATCTGACT 2340
Db 2608 CTGGGCCAAATCAACCGACCTGAAGGCGGAAATTCACGGGGGAGTCTCATTAATCTGACT 2667
Qy 2341 TGGACAGCTCTCGGGGATGATTATGACCATGGAACAGCTCACAAATATATCATTCGAAAT 2400
Db 2668 TGGACAGCTCTCGGGGATGATTATGACCATGGAACAGCTCACAAATATATCATTCGAAAT 2727
Qy 2401 AGTACAAGTATTTCTGATCTCAGACAAAGTTCAATGAATCTCTTCAAGTGAATACTACT 2460
Db 2728 AGTACAAGTATTTCTGATCTCAGACAAAGTTCAATGAATCTCTTCAAGTGAATACTACT 2787
Qy 2461 GCTCTCATCCCAAGGAAGCAACTCTGAGGAAGTCTTTTGTGTTTAAACCAAGAAACAT 2520
Db 2788 GCTCTCATCCCAAGGAAGCAACTCTGAGGAAGTCTTTTGTGTTTAAACCAAGAAACAT 2847
Qy 2521 ACTTTTGAATGGACAGATCTTTTCAATGCTATTCAGGCTGTTGATAGGTCGATCTG 2580
Db 2848 ACTTTTGAATGGACAGATCTTTTCAATGCTATTCAGGCTGTTGATAGGTCGATCTG 2907
Qy 2581 AAATCAGAATATCCAAATTCAGACGATATCTTTGTTTATTCCTCCACAGACTCCGCCA 2640
Db 2908 AAATCAGAATATCCAAATTCAGACGATATCTTTGTTTATTCCTCCACAGACTCCGCCA 2967
Qy 2641 GAGACACCTAGTCTGATGAAACGCTGCTGCTCTTGTCTTAATATTCATATCAACAGCACC 2700
Db 2968 GAGACACCTAGTCTGATGAAACGCTGCTGCTCTTGTCTTGTCTTAATATTCATATCAACAGCACC 3027
Qy 2701 ATTCTGGCAATTCACATTTTAAAAATTTATGTGAAGTGGATGAGGAACTGCGAGCTGCA 2760
Db 3028 ATTCTGGCAATTCACATTTTAAAAATTTATGTGAAGTGGATGAGGAACTGCGAGCTGCA 3087

Qy 2761 ATAGCCTAGGGCTGAATTTTGTGACATAAATAAATAAATCAATCATCTCTTTTGTGA 2820
Db 3088 ATAGCCTAGGGCTGAATTTTGTGACATAAATAAATAAATCAATCATCTCTTTTGTGA 3146
Qy 2821 TTATATAAATTTTCTAAATGCTATTTTAGACTTCTCTAGGGGCGATATATAAATGCTAT 2880
Db 3147 TTATATAAATTTTCTAAATGCTATTTTAGACTTCTCTAGGGGCGATATATAAATGCTAT 3206
Qy 2881 ATAGTACATTTTATACATAAATGCTATTTAGGGGCGATATATAAATGCTATTTTAGAC 2940
Db 3207 ATAGTACATTTTATACATAAATGCTATTTAGGGGCGATATATAAATGCTATTTTAGAC 3266
Qy 2941 TTCTCTAGGGGCGATATAAATAAATAAATGCTATAAACAACCTGGTA 2983
Db 3267 TTCTCTAGGGGCGATATAAATAAATAAATGCTATAAACAACCTGGTA 3309

RESULT 15

US-10-393-567-46
; Sequence 46, Application US/10393567
; Publication No. US20030194733A1
; GENERAL INFORMATION:
; APPLICANT: WANG, YIXIN
; TITLE OF INVENTION: CANCER DIAGNOSTIC PANEL
; FILE REFERENCE: CDS 269 US NP
; CURRENT APPLICATION NUMBER: US/10/393,567
; CURRENT FILING DATE: 2003-03-21
; PRIOR APPLICATION NUMBER: 60/368,667
; PRIOR FILING DATE: 2002-03-29
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 46
; LENGTH: 3311
; TYPE: DNA
; ORGANISM: human
US-10-393-567-46

Query Match 99.4%; Score 2966.2; DB 15; Length 3311;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 2979; Conservative 0; Mismatches 3; Indels 1; Gaps 1;

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Qy 61 CTTCACTCTTGAAGGGCCCTGAGTAAATTCATCTCAGCTGACACAAATGGCTAT 120
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Qy 121 GAAGGCATTTGCTTGAATTCGACCCCAATGTCACAGAAAGATGAAACACTCATTCAACAA 180
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Qy 181 ATAAAGGACATGGTGAACCCAGGCACTCTGTATCTGTTTGAAGCTACAGAAAGCGATT 240
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Db 568 TATTTCAAAAATGTTGCCATTTTGATTCCTGAAACATGGAAGAAAGCTGATATG 627
Qy 301 AGACCAAAACTTGAGACCTTACAAAATGCTGATGTTCTGGTTCGAGTCTACTCTCTCCA 360
Db 628 AGACCAAAACTTGAGACCTTACAAAATGCTGATGTTCTGGTTCGAGTCTACTCTCTCCA 687
Qy 361 GGTAAATGATGAACCCCTACACTGAGCAGATGGGCACTGTGGAGAGAGGGTGAAGGATC 420
Db 688 GGTAAATGATGAACCCCTACACTGAGCAGATGGGCACTGTGGAGAGAGGGTGAAGGATC 747
Qy 421 CACCTCAGTCTCTGATTTTCAATTCAGGAAAAAAGTTAGCTGAATATGGAACCAAGGTAG 480
Db 748 CACCTCAGTCTCTGATTTTCAATTCAGGAAAAAAGTTAGCTGAATATGGAACCAAGGTAG 807

QY 481 GCATTTGTCATGAGTGGGCTCATCTACGATGGGAGTATTTGACGAGTACAAATATGAT 540
DB 808 GCATTTGTCATGAGTGGGCTCATCTACGATGGGAGTATTTGACGAGTACAAATATGAT 867
QY 541 GAGAAATCTACTTATCCAAATGGAAGATACAAAGCAGTAAAGTGTTCAGCAGGTATTACT 600
DB 868 GAGAAATCTACTTATCCAAATGGAAGATACAAAGCAGTAAAGTGTTCAGCAGGTATTACT 927
QY 601 GGTACAAATGTAGTAAAGATGTACAGGAGGAGCTGTGTACACCAAAAGATGCACATTC 660
DB 928 GGTACAAATGTAGTAAAGATGTACAGGAGGAGCTGTGTACACCAAAAGATGCACATTC 987
QY 661 AATAAAGTAAACAGGACTCTATGAAAAGAGTGTAGTGTGTCTCCAAATCCCGCCAGAGC 720
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QY 781 CAAAACCAACAAAGAGCTCAAAACAGCAAAATCAAAATGCAATCTCCGAGGCACA 840
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QY 841 TGGGAAGTGCATCGTGATTTCTGAGGACTTTTAAAGAACCACTCCCTATGACACACAGCCA 900
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DB 1528 TTCTACTGTGATTTAGGAAGAAATATCAACTGATGGATCTGAAATTTGCTGTGAGCGAT 1587
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QY 2641 GAGACACCTAGTCTGATGAAACAGTCTGCTCCTTGTCTCTTAATTAATCATATCAACAGCACC 2700


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Job time : 1600.38 secs

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OM nucleic - nucleic search, using sw model

Run on: April 24, 2004, 00:33:00 ; Search time 274.198 Seconds
(without alignments)
6037.311 Million cell updates/sec

Title: US-09-049-696-20
Perfect score: 2983
Sequence: 1 GAAATCAGGAGATGTAC.....AAATCCTAACAACTGGGTA 2983

Scoring table: IDENTITY NUC
Gapop 10_0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2971.8	99.6	3007	4	US-09-193-562D-27
2	2743	92.0	2745	4	US-09-623-624-5
3	1764	59.1	2931	4	US-09-623-624-1
4	1512	50.7	1512	4	US-09-016-434-850
5	1308.6	43.9	3043	4	US-09-049-698-16
6	1308.6	43.9	3181	4	US-09-049-698-18
7	900.2	30.2	3317	4	US-09-193-562D-1
8	840.6	28.2	3022	4	US-09-193-562D-33
9	832.6	27.9	3418	4	US-09-193-562D-29
10	790.8	26.5	878	1	US-08-469-667-8
11	790.8	26.5	878	4	US-09-224-110-8
12	790.8	26.5	878	5	PCT-US95-07289-8
13	554.6	18.6	2784	4	US-09-643-597-168
14	554.6	18.6	2784	4	US-09-480-884A-168
15	554.6	18.6	2784	4	US-09-542-615A-168
16	554.6	18.6	2784	4	US-09-606-421B-168
17	552.2	18.5	2773	4	US-09-643-597-358
18	552.2	18.5	2970	4	US-09-193-562D-31
19	552.2	18.5	3951	4	US-09-643-597-160
20	552.2	18.5	3951	4	US-09-480-884A-160
21	552.2	18.5	3951	4	US-09-542-615A-160
22	552.2	18.5	3951	4	US-09-606-421B-160
23	552.2	18.5	3951	4	US-09-643-597-254
24	552.2	18.5	8031	4	US-09-107-160
25	552.2	18.5	8031	4	US-09-480-884A-254
26	552.2	18.5	8031	4	US-09-542-615A-254
27	552.2	18.5	8031	4	US-09-606-421B-254

28	550.6	18.5	3190	4	US-09-623-624-3	Sequence 3, Appli
29	531.4	17.8	3156	4	US-09-919-172-86	Sequence 86, Appl
30	441.4	14.8	1081	4	US-09-016-434-928	Sequence 928, App
31	441.4	14.8	1399	4	US-09-049-698-17	Sequence 17, Appl
32	366	12.3	3362	4	US-09-643-597-167	Sequence 167, App
33	366	12.3	3362	4	US-09-480-884A-167	Sequence 167, App
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36	323.8	10.9	401	3	US-09-221-298-34	Sequence 34, Appl
37	323.8	10.9	401	4	US-09-401-064-34	Sequence 34, Appl
38	309.2	10.4	619	4	US-09-016-434-931	Sequence 931, Appl
39	228.2	7.7	576	3	US-09-385-982-23	Sequence 23, Appl
40	223	7.5	232	4	US-09-016-434-290	Sequence 290, App
41	221.4	7.4	595	3	US-09-385-982-25	Sequence 25, Appl
42	200.8	6.7	618	3	US-09-385-982-24	Sequence 24, Appl
43	183.4	6.1	611	3	US-09-385-982-27	Sequence 27, Appl
44	168.6	5.7	742	3	US-09-385-982-33	Sequence 33, Appl
45	148.8	5.0	313	4	US-09-049-698-10	Sequence 10, Appl

ALIGNMENTS

RESULT 1

US-09-193-562D-27
; Sequence 27, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; FILE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18517.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 27
; LENGTH: 3007
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-193-562D-27

Query Match		99.6%;	Score 2971.8;	DB 4;	Length 3007;
Best Local Similarity		99.8%;	Pred. No. 0;		
Matches 2976;		Conservative	0;	Mismatches	7; Indels 0; Gaps 0;
QY	1	GAAATCAGGAGATGTACAGCAATGGGGCCATTAAAGAGTTCTGTTCATCTTGA	60		
DB	23	GGAATCAGGAGATGTACAGCAATGGGGCCATTAAAGAGTTCTGTTCATCTTGA	82		
QY	61	CTTCACCTTCTAGAGGGGCGCTGAGTAATTCATCTCAGCTGAACAACATGGCTAT	120		
DB	83	CTTCACCTTCTAGAGGGGCGCTGAGTAATTCATCTCAGCTGAACAACATGGCTAT	142		
QY	121	GAAGGCAATTCGTTGCAATCGACCCCAATGTGCCAAGAGTGAACACTATTCAACA	180		
DB	143	GAAGGCAATTCGTTGCAATCGACCCCAATGTGCCAAGAGTGAACACTATTCAACA	202		
QY	181	ATAAGGACATGGTGACCCAGGCAATCTGTATCTGTTTGAAGCTACAGGAAGCGATT	240		
DB	203	ATAAGGACATGGTGACCCAGGCAATCTGTATCTGTTTGAAGCTACAGGAAGCGATT	262		
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QY	301	AGACAAAATCTGAGACCTTACAAAATGCTGATGTTCTGTTGCTGAGTCTACTCTCCA	360		
DB	323	AGACAAAATCTGAGACCTTACAAAATGCTGATGTTCTGTTGCTGAGTCTACTCTCCA	382		
QY	361	GCTAATGATGAACCTTACACTGAGCAGATGGGCAATGTGGAGAGAGGTTGAAGATC	420		

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Qy 481 GCATTTGTCCATGAGTGGGCTCATCTACGATGGGAGTAGTTTGAAGAGTACAAATATGAT 540
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Qy 541 GAGAAATTTCTACTTATCCAAATGGAAGATAAAGCAGTAGTAGTTTACAGAGTATTA 600
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RESULT 2

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US-09-623-624-5
; Sequence 5, Application US/09623624
; Patent No. 6576434
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/09/623,624
; CURRENT FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,472
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,110
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,168
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/980,872
; PRIOR FILING DATE: 1997-12-01
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 2745
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS

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RESULT 3

US-09-623-624-1
; Sequence 1, Application US/09623624
; Patent No. 6576434
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/09/623,624
; CURRENT FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,472
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,473

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; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,110
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,168
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/980,872
; PRIOR FILING DATE: 1997-12-01
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 2931
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (8)...(2746)
US-09-623-624-1

Query Match      59.1%; Score 1764; DB 4; Length 2931;
Best Local Similarity 77.5%; Pred. No. 0;
Matches 2212; Conservative 0; Mismatches 615; Indels 29; Gaps 5;

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1809 CAAAACGAACAGGACACACAGCAAAATTTCCAGCCCTCTGGTGTGTTTATGCAAAATTTTCG 1868
1807 TAAATGAATAAGGACGTAACAGTTTCCCAAGCCCAATGATTGTTTACCGCAGAAAAATCT 1866
1869 CCAAGGACCTCCCAATTTCTCAGGGCCAGTGTACAGCCCTGATGATGATCAAGTGAATGG 1928
1867 ACAAGGATATGTACCTGTTCTTGGAGCCAATGTGACTGCTTTTCAATGAAATCACAAATGG 1926
1929 AAAAAAGTTTACCTTGGAACTACTGGAATAATGGAGCAGTGTGCTGATGCTTAAAGATGA 1988
1927 ACATACAGAAATTTTGGAACTTTTGGATTAATGGTGACGGCTGATTTCTTTCAGAAATGA 1986
1989 CGGTGTCTACTCAAGGTATTTCAAACTTATGACACGAATGATGATGATGATGATGATGATG 2048
1987 TGGAGTCTACTCCAGTATTTTACAGCATATACAGAAATGCGAGATATAGCTTAAAGT 2046
2049 GCGGCTCTGGAGGAGTTTAAAGCAGCCAGACGAGAGTATACCCAGCAGAGTGGAGC 2108
2047 TCGGCTCATGGAGGAGCAACACTGCGAGGCTAAATTTACGGCTTCCACTGAATAGAGC 2106
2109 ACTGTACATACCTGCTGGATTGGAATGATGAAATCAATGGAATCCACCAAGACCTGA 2168
2107 CGGTACATACAGGCTGGGTAGTGAACGGGGAATTTGAGCAAAACCCCGCAAGACTGA 2166
2169 AATTAATAGGATGATGTTTCAACACAAAGCAAGTGTGTTTTCAGCAGAAACATCTCGGAGG 2228
2167 AATTGAT---GAGGATACCTCAGACCCTTGGAGGATTTTACGCCGAAACAGCATCCGAGG 2223
2229 CTCATTTGCTGCTTCTGATGTCCCAATGCTCCCAATGCTGATCTCTTCCCACTGGCCA 2288
2224 TGCATTTGTGTATCACAAGTCCCAAGCCTTCCCTTGGCTGACCAATACCCCAAGTCA 2283
2289 AATCACCGACCTGAAGGCGGAAATTTACGGGGGAGTCTCATTAATCTGACTTGGACAGC 2348

Db 2284 AATCAGACCTTGATGCCACAGTTCATGAGG---ATAAGATTATTTCTTACATGACAGC 2340
Qy 2349 TCCTGGGATGATTATGACCATGGAACAGCTCACAAAGTATATCATTCGTAATAGTACAAG 2408
Db 2341 ACCAGAGATAATTTGATGTTGGAAAAGTTCAACGTTATATCATAGAATAGTGCAG 2400
Qy 2409 TATCTTGATCTCAGACAGATTCATGAATCTCTTCAAGTGAATACCTGCTCTCAT 2468
Db 2401 TATCTTGATCTAAGAGACAGTTTGTGATGATGCTCTTCAAGTAAATACCTGATCTGC 2460
Qy 2469 CCCAAGGAGCAACTCTGAGAGTCTTTTGTGTTTAAACAGAAAACATTTACTTTGA 2528
Db 2461 ACCAAGGAGGCCAATCCAAAGGAAGCTTTGCATTTAAACAGAAAATATCTCAGAAGA 2520
Qy 2529 AAATGCGACAGATCTTTCAATGCTTATTCAGGCTGTTGATAGGTCGATCGAATCAGA 2588
Db 2521 AAATGCAACCCACATATTTATTTGCCATTAAGATATAGATAAAGCAATTTGACATCAA 2580
Qy 2589 AATATCCAACTTGACAGATATCTTTGTTTATCTCCACAGACTCCGCCAGAGACACC 2648
Db 2581 AGTATCCAACTTGACAGATATCTTTGTTTATCTCCCTCAAGCAAAATCCTGATGACATTGA 2640
Qy 2649 TAGTCTGATGAACGCTGCTGCTCTGCTCTCTATATTCATA 2689
Db 2641 TCCTACTCTACTCTCTACTCTCTACTCTCTGATATAAAGTCTATA 2681

RESULT 6

US-09-049-698-18
; Sequence 18, Application US/09049698
; Patent No. 6368792
; GENERAL INFORMATION:
; APPLICANT: BILLING-MEDEL, PATRICIA A.
; APPLICANT: COHEN, MAURICE
; APPLICANT: COLPITS, TRACEY L.
; APPLICANT: FRIEDMAN, PAULA N.
; APPLICANT: HAYDEN, MARK
; APPLICANT: KLASS, MICHAEL R.
; APPLICANT: ROBERTS-RAPP, LISA
; APPLICANT: RUSSELL, JOHN C.
; APPLICANT: STROUPE, STEPHEN D.
; TITLE OF INVENTION: REAGENTS AND METHODS FOR THE
; TITLE OF INVENTION: USEFUL FOR DETECTING DISEASES OF THE GASTROINTESTINAL
; TITLE OF INVENTION: TRACT
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Abbott Laboratories
; STREET: 100 Abbott Park Road
; CITY: Abbott Park
; STATE: IL
; COUNTRY: USA
; ZIP: 60064-3500
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: Fast-SEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/049,698
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION NUMBER: 08/828,856
; FILING DATE: 31-MAR-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Becker, Cheryl L.
; REGISTRATION NUMBER: 35,441
; REFERENCE/DOCKET NUMBER: 6068.US.P1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 847/935-1729
; TELEFAX: 847/938-2623

; INFORMATION FOR SEQ ID NO: 18:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 3181 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

US-09-049-698-18

Query Match 43.9%; Score 1308.6; DB 4; Length 3181;
Best Local Similarity 69.6%; Pred. No. 0;
Matches 1866; Conservative 0; Mismatches 794; Indels 21; Gaps 6;
Qy 21 AGCAATGGGGCCATTTAAGAGTCTTGTTTCATCTTGTATCTTCACTTCTAGAAAGGGC 80
Db 21 AACAAATGGGGTTAATTCAGAGGTTTGTCTTCTCTAGTTCTGTGCTGTCAGCAGTC 80
Qy 81 CCTGAGTAATTCACATCATTACGCTGAACAACATGGCTATGAAGGCAATGCTGTCGAAT 140
Db 81 ---AAATACTTCTCTTCAATTAAGCTGAATAATAATGGCTTTGAAGATATTTGTCATTGTTAT 137
Qy 141 CGACCCCAATGTGCCAGAAAGATGAACACTCAATTCACAAACAATAAAGGACATGGTGACCCA 200
Db 138 AGATCCTAGTGTGCCAGAAAGATGAATAATAATTTGAACAATAAGAGATATGGTGACTAC 197
Qy 201 GGCATCTCTGTATCTGTTTGAAGCTACAGGAAGCGATTTTATTTCAAAAATGTTGCCAT 260
Db 198 AGCTTCTACGTACCTGTTTGAAGCCACAGAAAAGATTTTTTTTCAAAAATGTTATCTAT 257
Qy 261 TTTGATTTCTGAAACATGGAAGGCTGACTATGTGAGACCAAAACTTGAGACCTA 320
Db 258 ATTAATTCCTGAGAAATTTGAAGGAAATCCTCAGTACAAAAGGCCAAAACATGAANAACCA 317
Qy 321 CAAAAATGCTGATGTTCTGTTTCTGAGTCTACTCTCCAGGTAAATGATGAACCCCTACAC 380
Db 318 TAAACATGCTGATGTTATAGTTGCAACCCTACACTCCAGGTAGAGATGAACCATACAC 377
Qy 381 TGAGCAGATGGCAACTGTGGAGAGAAGGGTGAAGAGATCCACCTCCTCTGATTTTCAAT 440
Db 378 CAAGCAGTTTCAACAATGTGGAGAGAAGGCGGAATACATTTCACTTCACCCCTGACCTTCT 437
Qy 441 TGCAGGAAAAAGTTAGCTGTAATATGGACCAACAGGTAGGCGATTTGTCATGAGTGGGC 500
Db 438 ACTTGAAAAAACAACAAAATGAATATGGACCAACAGGCAAACTGTTTGTCCATGAGTGGGC 497
Qy 501 TCATCTACGATGGGAGTATTTGACGAGTACAAATATGATGAGAAATTTCTACTTATCCAA 560
Db 498 TCACCTCCGTTGGGAGTGTGTTGATGAGTACAAATGAGATCAGCCTTTCTACCGTCTAA 557
Qy 561 ---TGGAAAGATACAAAGCAGTAAGATGTTTACGAGGTATTTACTGGTACAAAATGATGATAA 617
Db 558 GTCAAAAAAATCGAAGCAACAAGGTGTTCCGAGGTATCTCTGTTAGAAAATAGAGTTTA 617
Qy 618 GAAGTGTGAGGAGGAGCTGTTTACCAAAAGATGCAATTCATAAAGTAACAGAGCT 677
Db 618 TAAAGTGTCAAGGAGGAGCTGTTTATGATAGAGCATGAGAAATTTGATTTCTACAAACAAACT 677
Qy 678 CTATGAAAAAGGATGTGAGTTTGTCTCCAATCCCGCCAGAGCGGAGAGCTTCTATAAT 737
Db 678 GTATGAAAAAGATGTGCAATTTCTTCTGATAAAGTACAAACAGAAAAGAGCATTCATAT 737
Qy 738 GTTTGCAACAACATGTTGATTTCTATAGTTGAAATTTCTGTACAGAACAAACCAACAAGA 797
Db 738 GTTTATGCAAAAGTATTTGATTTCTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 797
Qy 798 AGCTCAAAAGGCAAAATCAAAAATGCAATCTCCGAGCACAATGGGAAGTATCGGTGA 857
Db 798 AGCTCAAGCCCTACAAAACATAAAGTGCATTTTGAAGTACATGGGAGGTGATTAGCAA 857
Qy 858 TTCTGAGGACTTTTAAGAAAAACCACTCCCTATGACACAGCCCAACCAATCCCACTTCTC 917
Db 858 TTCTGAGGATTTTAAAAAACACCATATCCCAATGTTGACACCACTCTCTCCACCTGTTCTC 917
Qy 918 ATTGCTGAGATTGGACAAAGAAATTTGTTGTTTGTAGTCTTTGACAAATCTGGAAGCATGCG 977

Db 2194 AAAACGGTAAATATATCTGAACCCACCCAGACCTGAAGTCAAGATGACCTGGCAAAAG 2253
Qy 2192 ACAAGCAAGTGTGTTTCAGCAGAAATCTCTGGAGGGCTCATTTTGGCTTCTGATGCC 2251
Db 2254 CTAAATGAAGAGCTTTAGCAGACTAACTCTGGAGGGGTCAATTTACTGTATCAGAGCTC 2313
Qy 2252 CAAATGCTCCCA---TACTGTATCTCTCCACCTGGCCAAATCAACGACCTGAAGGGGG 2308
Db 2314 CTCCTCTGGTAAATCACCCCTCTGTGTTCCACCCAGTAAATTAAGATCTTGAGGCTA 2373
Qy 2309 AAATTCACGGGGGAGTCTCATTAATCTGACTTGGACAGCTCTCTGGGGATGATTATGACC 2368
Db 2374 AGTTCAAAGAAG---ATTATATTCAACTTTCATGACAGAGCCCTGGCAATGCTCTAGATA 2430
Qy 2369 ATGGAAACAGCTCACAAGATATATCATTCGATTAAGTACAGATATTTCTGATCTCAGAGACA 2428
Db 2431 AAGGAAAGCCACACAGCTACATTAAGAATTAAGTAAGAGTTTCTATGGATCGTCAAGAAG 2490
Qy 2429 AGTTCAAATGAATCTCTTCAAGTGAATACTACTGCTCTCATCCAAAGGAAGCAACTCTG 2488
Db 2491 ATTTTGACATCGGACTTTAGTGAATATCTTAATCTAATACCTAAGGAGGCCGATCAA 2550
Qy 2489 AGGAAGTCTTTTGTGTTAAACAGAAACATTAATCTTTTGAATAATGGCAGAGATCTTTTCA 2548
Db 2551 AAGAAATTTTGAATTTAAGCCAGAACATTTTATAGAGTAGAATAATGGCCAAATTTCTATA 2610
Qy 2549 TTGCTATTACAGCTGTGTAAGGTCGATCTGAAATCAGAAATATCCAAATGTCAGCAG 2608
Db 2611 TTTCACTCAAGCCATCAACGAAGCAATCTCATCTCAGAGGTTTCTCACATTTGTACAAG 2670
Qy 2609 TATCTTTGTTTATCTCTCAC 2629
Db 2671 CAATCAAAATTTATCTCTTAC 2691

RESULT 8

US-09-193-562D-33
; Sequence 33, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedict U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; CURRENT FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 33
; LENGTH: 3022
; TYPE: DNA
; ORGANISM: Mus musculus
US-09-193-562D-33

Query Match 28.2%; Score 840.6; DB 4; Length 3022;
Best Local Similarity 60.5%; Pred. No. 7.3e-238;
Matches 1554; Conservative 0; Mismatches 974; Indels 39; Gaps 9;
Qy 91 TCACCTCATTGAGTGAACAAATGGCTATGAAGGCATTGTGTTGCAATCGACCCCAAT 150
Db 81 TCCATGGTGATCTCAACAGCAATGATGATGAGGTGTGTTGCTATGCTTAAACCCAGT 140
Qy 151 GTGCCAGAGATGAACACTCATTCACAAATAAAGGACATGGTACCCAGCATCTCTG 210
Db 141 GTGCCAGAGAGCAAGGCTCATCCCAAGCATAAAGGAAATGGTAACCTCAAGCTTCTACC 200
Qy 211 TATCTGTTTGAAGCTACAGGAAGCATTTTATTTCAAAATGTTGCCATTTTGATTCCT 270
Db 201 TACCTGTTTGAAGCCAGCCAGGAAGAGTTTATTTTCAGGAACAATAGCATATTAGTCCCG 260
Qy 271 GAAACATGGAAGACAAAGGCTGACTATGTGAGACCAAACTTGAGACCTTACAAATATGCT 330

Db 261 ATGACCTGGAAGTGGAAATCTGAGTACTTAATGCCCCAAACGGAATCTGTACGACAAAGCA 320
Qy 331 GATGTTCTGGTGTGAGTCTTACTCTCCAGGTAAATGATGAACCTTACTGAGCAGATG 390
Db 321 GACGTGATAGTTGGGATCCCTCACTGCAACATGGAGACGACCCCTACACCTTCAGTAT 380
Qy 331 GGCAACTGTGAGAGAGAGGGTGAAGAGATCAACCTCACTCTCTGATTTCTATTCAGGAAAA 450
Db 331 GGAAGTGTGGGACAGAGGACAGTACATACATTCCTCCAACTTCTACTCTACTGAT 440
Qy 451 AAGTTAGCTGAATATGGACCAACAGGTAGGCAATTTGTCCATGATGGGCTCATCTCA 510
Db 441 AACTTGCCTATCTATGAGACCCCGGAGCAGAGTCTTTGTCCATGATGGGCGCCCATCTCCGG 500
Qy 511 TGGGGAGTATTTGACGAGTACAATAATGATGAGAAATTTCTACTTATCCA---ATGGAAGA 567
Db 501 TGGGGAGTATTTGATGAGTATAACGTGGACCGGTCACTTTTACATTTCTAGAAAGAACACT 560
Qy 568 ATACAAGCAGTAAGATGTTCAAGCAGGTATTAATGTGTACAAATGTAGTAAAGAGTGTCA 627
Db 561 ATAGAGCAACAGGTGCTCCGACAGCATACAGGCAAGAGGTGCTCCAAGTGTCTAG 620
Qy 628 GGAGCAGCTGTATACACCAAAAGATGCAATTTCAATAAAGTAACAGGACTCTTATGAAAA 687
Db 621 AGAGCAGCTGTGTGACAAAGGGGTGCGCGGTGACTCGAAGACACGCGTGTATGAACCC 680
Qy 688 GGATGTGATTTGTTTCTCCAAATCCGCGCAGAGGAGAGGCTTCTATTAATGTTGCA 747
Db 681 AAATGTATCATTTATCCCAAGACAAATATACAGACAGCTGGGGGCTTCCATTAATGTCA 740
Qy 748 CATGTTGATCTATAGTTGAATTTCTGTACAGAAACCAACCAACAAAGAGAGCTCCAAAC 807
Db 741 AACCTCAATCTGTGTTGAATTTTGTCAAGAAATAACCAATGCAAGAGCCCAAC 800
Qy 808 AAGCAAAATCAAAATGCAATCTCCGAGCAGTATGGGAAGTGAATCCGTGATTTCTGAGGAC 867
Db 801 CTACAAACAAATGTGCAATCGCAGAGACGCTGGGATGTAATCAAGACGCTCTCTGAC 860
Qy 868 TTTAAGAAACACTCTCTATG-----ACAACAGCCACCAATCCCACTTCTCATG 921
Db 861 TTTCAAGATGCCCTCTCCATGAGAGGAAACAGAGCCCTCTCTCCACCTTACATTTTATCTG 920
Qy 922 CTGAGATTTGACAAAGAAATTTGTGTTTGTAGTCTTGAATAATCTGGAAGCATGCGGACT 981
Db 921 CTCAGTCCAGAGCGGAGTGTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 980
Qy 982 GGTAAACGCTCAATCGATCGAATCAAGCAGCCAGCTTTTCTGCTGTCAGACAGTTGAG 1041
Db 981 GAAGACCGTCTTATTCGAATGAATCAAGCAGCAGAACTGTACTTAACCTCAAAATTTGGAA 1040
Qy 1042 CTGGGCTCTGGTGGATGTTGATGTCATTTGACAGTGTGCTGCCATGTACAAAGTGA 1101
Db 1041 AAGGAGTCTATGGTTGGAATTTAGTCAATTTGACAGCGCTGCCACATCCAAATTTATCTA 1100
Qy 1102 ATACAGATAAAGCAGTGGCAGTGACAGGACACACTCGCCAAAGAGATTACCTGACAGCT 1161
Db 1101 ATAAATTAACGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1160
Qy 1162 TCAGAGGAGCTCCATCTGAGCGGGCTTCGATGCGGCTTCTGATGCTGATGCTGATGCTGATGCT 1218
Db 1161 TCTGGTGAATCTCAATTTTGCCATGGACTCCAGGCGAGGATTTTCAGGCAATTTACCTCCAGT 1220
Qy 1219 AAATATCAACTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1278
Db 1221 GACCAGAGCACTTCGGTTCCTGAGATCGTATTTGCTGACAGATGGGGAAGATAATGGAATA 1280
Qy 1279 AGTGGGCTTTTAAAGAGTCAAAACAAAGTGTGCTCATCTCCACACAGTCCCTTTGGG 1338
Db 1281 GTTCTCTGTTGAGCGCGTCTCTGAGCGCGTGCATCTCCACCAATCCATCCCTCTGCGG 1340
Qy 1339 CCCTCTGACGCTCAAGAACTAGAGAGCTGTCCAAATGACAGGAGGTTTACAGACATAT 1398

Db 1341 CCTTCGGTCCCGAGAACTGGAGACTCTGTGGACATGACAGAGGGCTTCGTTCTAT 1400
QY 1399 GCTTCAGATCAAGTTTCAGAAATGGCTCATTTGATGCTTTTGGGCCCTTTTCATCAGCA 1458
Db 1401 GCCAACAAAGACCT-----AAACAGCCTTATCGATGCTTTTCAGTAGAATTTCACTACA 1454
QY 1459 AATGAGCTGTCTTCAGGCTCCATCCAGCTTTCAGAGTAAGGATTAACCCCTCCAGAAC 1518
Db 1455 AGTGGCAGCGTCTCCAGCAGGCTCTGCAGTTGGAGAGCAAGCCCTTCGATGTCCAGCA 1514
QY 1519 AGCCAGTGTGATCAATGGCAGTGTCTGGGACAGCAGCCGTGGAAAGGACACTTTGTTT 1578
Db 1515 GGGGATGATTAACGGTACAGTACCTCTGGACAGTACCGTCCGCAACGACAGCTTCCTT 1574
QY 1579 CTATCACCTGGACAAACGAGCTCCCAATCTCTTCGGGATCCCAAGTGGACAGAG 1638
Db 1575 GTTATCACCTGGATGTTAAAGGAGCAGAAATCATTTCTCAAGATCCAAAGGAAAGAAA 1634
QY 1639 CA-----AGGTGGCTTTGTAGTGGACAAAACACCAAAATGGCCTTACCTCCAATC 1689
Db 1635 TATACAACCTCAGATTTTCAAGATGATAAATCAACATCCGCTCTGTAGACTTCAATA 1694
QY 1690 CCAGGCATTGCTAAGTTGGCACTTGGAAATACAG---TCTCAAGCAAGCTCACAAAAC 1746
Db 1695 CCGGCATGACAGACAGTACTTGGACTTAAGCTACAGCTACCGGTACCAAGTCTCAGTTG 1754
QY 1747 TTGACCTGACTGTACAGTCCGCTCGTCCCAATGCTTACCTCGCTCCCAATACAGTACT 1806
Db 1755 ATTACANTGACAGTACCCTCGAGCAAGAGTCCCAACCATGGAACCTCTCTGGGCTAC 1814
QY 1807 TCCAAAAGCAAGCAACAGCAACAGCAAAATTCGCCAGCCCTCTGGTAGTTTATGCAATAT 1866
Db 1815 TGCTACATGAGTCAGACAGACAGCCAGTACCCCTAGCCGATGATTTGTACGACGGGTC 1874
QY 1867 CGCCAGGAGCTCCCAATTTCTAGGCGCAGTGTACAGCCCTGATTAATCAAGTAT 1926
Db 1875 AGCCAGGATTTTGCCTGTTCTGGAGCCATGTACAGCCCTCATAGAGCTGAACAT 1934
QY 1927 GGAAGAAACAGTTTACCTTGGAACTACTGGATAATGGAGAGGTGCTGATCTACTAAGAT 1986
Db 1935 GGACATCAAGTCACCTTGGAGCTCTGGACATGGGCAAGTGTGATATCGTTAAATAT 1994
QY 1987 GACGTGTCTACTAAGGTATTTCAACTTATGACAGAAATGGTAGATACAGTGTAA 2046
Db 1995 GATGCGATCTACACAAGATACCTTACAGATTATCATGGAATGGTAGATACAGCCCTAAA 2054
QY 2047 GTGCGGCTCTGGAGGAGTTAACGCAAGCAGCAGGAGTATATCCCGCAGAGTGA 2106
Db 2055 GTGCGGTGCCAGGCAAGAAAGCAAAACACAGACTGAGCTTAAGA---CAGAAGAACAG 2111
QY 2107 GCACGTGTACATACCTGGCTGGATTTGAGATGATGAATCAATGAATCCCAAGACCT 2166
Db 2112 TCTTTATATATCTGGCTATGTGNAATGGTAAATTTGTACTGATGATCCACCGAGCA 2171
QY 2167 GAAATTAATAGAGTATGTTCAACAACAGCAAGTGTGTTTCAGCAGAACATCTCTGGGA 2226
Db 2172 GATGTCCAAGAGAAAGCCATAGAAGCTACAGTGGAAAGCTTCAACAGAGTAACCTCTGGA 2231
QY 2227 GGCCTATT---TGTGGCTTCTGATGTCCCAATGTCCCATACCTGATCTCTCCACCT 2283
Db 2232 GGGTCTGTTTACTGTGTCTGGAGCGCCCTGTGTCGACACCGCTCGTGTGTTCCCAACCA 2291
QY 2284 GGCCTAAATCACCGACTGAAGCGGAAATTCAGGGGGCAGTCTCATTAATCTGACTGG 2343
Db 2292 AGTAAAGTCACAGACTGGAGGCTGAGTTTATAGTG---ATTATATTCACCTTACATGG 2348
QY 2344 ACAGCTCTCTGGGATGATTAATGACCATGGAACAGCTCACAAGTATATCATTCGAATAAGT 2403
Db 2349 ACGGCCCCGCAAGGTTCTCGACAAATGAAGAGCACAATAGATACATCATCAGATGAGC 2408
QY 2404 ACAAGTATCTTGATCTCAGACAGCAAGTTCAATGAATCTCTTCAAGTGAATCTACTGCT 2463
Db 2409 CAGCATCTCTTGATCTCCAAAGAGATTTTAAATGCTTACTTGTAGTGAATGCTTCCAGT 2468

QY 2464 CTCATCCCAAGGAAGCCAACTCTGAGGAAGTCTTTTGTGTTTAAACCAAGAAACATTACT 2523
Db 2469 CTGATACCTTAAAGAGCTGGCTCAAGAGAGCATTTAAATTCAAACCAAGAACTTTTAAA 2528
QY 2524 TTTGAAATGGACAGATCTTTTCATTCCTATTTCAGGCTGTGATAGTTCGATCTGAAA 2583
Db 2529 ATAGCAATGGCATCCAGCTCTACATTCGAATCCAGGAGAGCAATGAAGCCAGTCTCAC 2588
QY 2584 TCAGAAATATCAACATTCACAGAGTATCTTTGTTTATTTCCTCCACA 2630
Db 2589 TCTGAGGTCTCAACATCGACAGGCTGCAAGCTTACTTCTCTAGA 2635

RESULT 9

US-09-193-562D-29
; Sequence 29, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 29
; LENGTH: 3418
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-193-562D-29

Query Match 27.9%; Score 832.6; DB 4; Length 3418;
Best Local Similarity 59.9%; Pred. No. 1.8e-235;
Matches 1603; Conservative 0; Mismatches 979; Indels 93; Gaps 9;

QY 46 GTGTTTCATCTTCATTTCTTCCACCTCTAGAAAGGGCCCTGAGTAATTCATCTCATTCAGCTG 105
Db 37 GTGATTCCTTCCTATCTTCTCTCGCCCTGTATTGAAAAGCTCACTGGTAACCTTG 96
QY 106 AACAAATATGCTATGAGGCAATGCTGTTGCAATCGAACCCCAATGTGCCAGAAATGAA 165
Db 97 AATAAATATGATATGATGTCATTTGTTGCAATTAATCCAGTGTACCAAGATGAA 156
QY 166 ACACCTATTCAACAATAAAGGACATGTGACCCAGGCACTCTGTATCTGTTGAAGCT 225
Db 157 AAACCTATTCAAAACATAAAGGAATGGTAACTGAAGCATCTACTCACCTGTTTCATGCC 216
QY 226 ACAGGAAGCGATTTTATTTCAAAATGTGCAATTTTCATTTCTGAAACATGGAAGACA 285
Db 217 ACCAAACAAAGAGCTTATTTAGGAATGTAGCAATTTTAAATTCATGACCTACAAATCA 276
QY 286 AAGGCTGATATGTGAGACCAAAATCTGAGACCTTACAAAATGCTGATGTTCTGTTGCT 345
Db 277 AATCTGAGTACTTAATCCCAAAACAAAGAAACATATGACCCAGGAGATGTCTAGTTGCT 336
QY 346 GAGTCTACTCTCCAGGTAAATGATGAACCTTACACTGACAGCAGATGGGCACTGTGAGAG 405
Db 337 GATCTTTACCTGAAATACCGAGATGATCCCTATACATTTCAATATATGCAATGTGGAGAT 396
QY 406 AAGGTGAAAGGATCCACCTCACTCTGATTTTCATTTGAGGAAAGGTTAGCTGAATAT 465
Db 397 AAAGCAATATATACATTTTACTCCAAACTTCTGTTGACTAATTAACCTTGGCTACTAT 456
QY 466 GGACCAAGGATGAGGCAATTTGTCATGAGTGGGCTCATCTACGATGGGAGTATTTGAC 525
Db 457 GGGCTCGAGGTAAAGTATTTGTCATGAGTGGGCCCATCTCCGGTGGGAGTATTTGAT 516
QY 526 GAGTCAATATATGATGAGAAATTTCTACTTATCCATGGA---AGAATACAGCAGTAAAG 582
Db 517 GAGTATAATGTGGAGCAGCAGCTTCTATATTTTCCAGAAAGAAACACTACTGAAGCAACAGA 576

QY 583 TGTTGAGAGGATGTTACTGTTACAAATGTAGTAAAGAAAGTGTACGGGAGGAGCTGTTTAC 642
DB 577 TGTTCCATCTGTTACTGTTTACATGTTTGAACGAATGCAAGGGGCGCAGCTGTATA 636
QY 643 ACCAAAGATGCACATCAATCAATAAGTAAACAGGACTCTATGAAAGAGGATGTAGTTTGT 702
DB 637 GCACGACCATTCAGACGTTGACTCACAGACAGGGCTGTATGAAGCAAAATGTACATTTATC 696
QY 703 CTCGAATCCGCGCAGACGGAGAGCTTCTAATGTTGTTGACACATGTTGATTTCTATA 762
DB 697 CCAAGAGATCCAGACTGCCAAGGAATCCATGTTGTTATGCAAAATCTTGATTTCTGTG 756
QY 763 GTTGAATTTCTGACAGAAACAAACCAACAAAGAGCTCCAAACAGCAAAATCAAAAA 822
DB 757 ACTGAATTTTGTACTGAAAGAAACACACAAATAAGAGCTCCAACTATATACAAATG 816
QY 823 TGCAATCTCCGAAGCACATGGGAAGTGTATCGTGAATCTGAGGACTTTAAGAAACCACT 882
DB 817 TGCAATCACAGAAACACATGGGATGTAATCATGAGCTCTGAAGATTTTTCAGCATTTATCT 876
QY 883 CCTATGAC---AACACAGCCACCAATCCCACTTCTCATTTGCTGCAGATTGGACAAAGA 939
DB 877 CCCATGACAGAAATAAATTTACCTGCTCTACATTTTCAATTTGCTCAAGTCCAAACAGCGT 936
QY 940 ATTGTGTTTGTAGTCTTGACAAATCTGAAGCATGGGAGCTGGTAACCGCTCAATCGA 999
DB 937 GTAGTCTGTTGTGTTACTGTAATAATCTGGAAGCATGAATGCAAGACCGTCTCTTTTGA 996
QY 1000 CTGAATCAAGCAGGCGAGCTTTTCTGCTGCAGACAGATTGAGCTGGGGTCTCGGGTTGGG 1059
DB 997 ATGAATCAAGCAGCAGAAATTTGTTACTTGAATTTCAATTTATGAAAGGGATCTTGGTTGG 1056
QY 1060 ATGGTGACATTTGACAGTCTGCCCATGTACAAAGTGAATCTCATACAGATTAACAGTGGC 1119
DB 1057 TTGGTCAATTTGACAGTTTGTCTAAATCCAAAGTAAAGTCAATAAATAATTTATGATGAT 1116
QY 1120 AGTGACAGGGACACACTCGCCAAAGATTTACCTGCAGCAGCTTTCAGGAGGGAGCTCCATC 1179
DB 1117 AACCTTACCAAAAGATCACTGCAAAACCTGCTCAAGAGCTGATGGTGGCACTTCAAT 1176
QY 1180 TGCAGCGGCTTCGATCGGCAATTTACTGTGATTTAGGAAGAAATATC---CAACTGATGGA 1236
DB 1177 TGCAGGGGACTCAAGCAGGATTTTCAGGCAATTTCCCGAGAGTAATCAGAGTACTTTTCGT 1236
QY 1237 TCTGAATTTGCTGCTGACGGATGGGAGAGCAACATTAAGTGGGTGCTTTTAACGAG 1296
DB 1237 TCTGAATCATATTACTAAACAGATGGGAAGATTTATCAATAAGCTTTATGCTTTTGGAGAG 1296
QY 1297 GTCAAACAAAGTGGTGCATCATCCACAGTCGCTTTGGGGCCCTCTGCAGCTCAAGAA 1356
DB 1297 GTAACAAAGTGGGACAGTCACTCACACCAATGCTCTGGGGCCGCTCTGCTGACGAGAA 1356
QY 1357 CTAGAGGAGCTGTCCAAATGACAGAGGTTTACAGACATA----- 1397
DB 1357 CTGGAGACCTGTCAAATATGACAGATTTACATAAGGGACACTGTATATCTGAAAGTTCA 1416
QY 1398 -----TGCTTCAGATCAAGTTTCAGAACAT 1422
DB 1417 TATAGTGTGGGAAGTTTCATCTTTTGTGGACATCGTTTTTATGSCCCATAAAAAATAAAT 1476
QY 1423 GGCCTCATTTGATGCTTTTGGGGCCCTTTCATCAGGAATGGAGTGTCTCTCAGCGCTCC 1482
DB 1477 GGCCTTATTTGATGCTTTTCAAGCAATTTTCATCTAGAAGTGGGAGCATCTCTCAGCGGCT 1536
QY 1483 ATCCAGCTTGAGAGTAAGGGAATTAACCTCCAGAAACAGCAGTGGATGAATGGCACAGTG 1542
DB 1537 CTTCAAGTTGGAAGTAAACCTTTTGAATATCCAGCGAAGAAATGATAAATGTTACAGTG 1596
QY 1543 ATCGTGGACAGACCGTGGGAAAGACACTTTGTTTCTTATCACCCTGGACAAAGCGGCT 1602
DB 1597 CCTGTGGATAGTACAGTTAGAAATGATATCTCTTTTGTGTGCATGCGACATGCAAAAAA 1656
QY 1603 CCCAAATCTCTTCTCTGGGATCCAGTGGACAGAGCAAGGTGGCTTTGT-----A 1653
DB 1657 CCAGCAATFAATTTCTCAAGATCCAAAGGAAAAAATAATACTACTCAGATTTTCAAGAA 1716
QY 1654 GTGGACAAAAACACAAAAATGGCCCTACTCCTCAATCCAGGATGCTTAAGGTTTGGCACT 1713
DB 1717 GGTGAACCTAAATATTTGGGTCTGCCCGTCTTGGATACAGGATTTTGCAGAGACAGGCACT 1776
QY 1714 TGGAAATACAGTCTGTCAA-----GCAAGCTCACAAACCTTGACCTGACTGTACG 1764
DB 1777 TGGACTTACAGGTTTGGAAACAATCATACCAAAATCTCAATTTGCTAACTGTGACAATGACC 1836
QY 1765 TCCGTGTGCTCAATGTCTACCTGCTCCTCAATTCACAGTGAATTCACAAACCAAGAGAC 1824
DB 1837 ACTCGAGCAAGAGCCCTTACCACACTCCCACTGCTCAATGCTCAATGAGTCAAAAT 1896
QY 1825 ACCAGCAATTTCCCGAGCCCTCTGTGTAGTTTATGCAAAATATTCGCAAGAGGACCTCCCA 1884
DB 1897 ACAGTCAATTAACCTTAGCCAGTGTATTTATGATGCTGTCAGTCAAGGGTTTCTTCT 1956
QY 1885 ATTCTCAGGGCCAGTGTCCAGCCCTGATTCGAATCAGTGAATGGAAAAACAGTTACCTTG 1944
DB 1957 GTTCTGGGAATCAATGTAAACAGCCATTAAGAAATGAAGAGGACATCAAGTAACAATG 2016
QY 1945 GAACTACTTGGATAATGGAGCAGGTGCTGATGCTACTAAGGATGACGGTGTCTACTCAAGG 2004
DB 2017 GAGCTCTCGCAATATGGCGCAGGTGCTGATTTCTGCAAGATGATGGCATCTACTCAAGG 2076
QY 2005 TATTTCACAACTTATGACACGAATGGTGTAGATACAGTGTAAAGTGTGGGGCTCTGGAGGA 2064
DB 2077 TATTTTACAGATTACCTAGGAATGGTAGATACAGTTTAAAGTGTCTTACCAGCAAGA 2136
QY 2065 GTTAAACGAGCAGACGGAGAGTGTATCCCGCAGAGTGGGACACTGTACATACCTGCG 2124
DB 2137 AAAACACAGCTAGGC-----TAAGTCAACACAGAAATAAGCTCTGTATGTACCGGCG 2190
QY 2125 TGGATTGAGATGATGAAATACAAATGGAATCCACCAAGACCTGAAATTAATAAGGATGAT 2184
DB 2191 TATGCTGAAATGGAAATTTATCTGAACCCATCCAAACCTGAAATCAGAGTCAAGATGTG 2250
QY 2185 GTTCAACACAGCAGTGTGTTTACAGCAACATCTCTGGAGGCTCATTTTGTGGCTTCT 2244
DB 2251 GAAGGAGCTCAACACAGCAGCTTTCAGCAGACTCACTCTGGAGGGTCTGTTACTGTATCA 2310
QY 2245 GATGT---CCCAATGTCTCCATACCTGATCTTCCACCTGGCCAAATCACCACCTG 2301
DB 2311 GGAGTGCCTCTAATGGTAAATCAATTTCCAGGTGTTTCTCACCTGGTAAATTTGTAGACCTC 2370
QY 2302 AAGCGGAAATTCACGGGGCAGTCTCATTAATCTGACTTGGACAGCTCTGGGGATGAT 2361
DB 2371 GAGCTAAGTTTCAAGGAG---ATCATATTCACTTTTCATGGACTGCCCTGGCAAGGTC 2427
QY 2362 TATGACCATGAAACAGCTCAACAGTATATCATTTGAAATGAAAGTACAAATTTCTTGTATCTC 2421
DB 2428 CTCGATAAAGGAAGAGCTTGAGAGCTTACATTAAGAATAAGTAAACATTTCTCTGACCTC 2487
QY 2422 AGAGCAGATTCATGATGATCTTTCAGTGAATTAATACTGCTCTCATCCCAAGGAAGCC 2481
DB 2488 CAAGAAGATTTTGAATAAGCTGCTTTAATAATACTTTGCTGTGATACCTTAAGGAGCT 2547
QY 2482 AACTCTGAGGAAGTCTTTTGTGTTTAAACAGAAAAATTAATCTTTTGAATATGGCACAGAT 2541
DB 2548 GGTTCAGTAGAAGTTTGAATTTAACCAGAACTTCTAATAAGAGNATGGTAGACA 2607
QY 2542 CTTTTCATTTGATTTAGGCTGTGATAAAGTGTGATCTGAATTCGAATTCAGAAATATCCAACT 2601
DB 2608 TTTCTATATTGCAATTAAGCCATCCATGAAGCAATGTCACTCAGAGGTTTCAAACT 2667
QY 2602 GCAGAGTATCTTTGTTTATTTCTCTCCACAGACTCC 2636
DB 2668 GCACAAGCAACTTAATTTTATTTCTCCACAGGAACC 2702

STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cds
FEATURE:
NAME/KEY: CDS
LOCATION: 2..685
US-09-224-110-8

Query Match 26.5%; Score 790.8; DB 4; Length 878;

Best Local Similarity 97.9%; Pred. No. 1.8e-223; Mismatches 15; Indels 2; Gaps 2;

1992 TGTCTACTCAAGGTATTTTCAACAACTTATGACACGAGTGTAGATACAGTGTAAAGTGG 2051
Db 1 TGTCTACTCAAGGTATTTTCAACAACTTATGACACGAGTGTAGATACAGTGTAAAGTGG 60
2052 GGCTCTGGAGAGGTTAAACGACGAGAGTGTATACCCAGCAGAGTGGAGCACT 2111
Db 61 GGCTCTGGAGAGGTTAAACGACGAGAGTGTATACCCAGCAGAGTGGAGCACT 120
2112 GTACATACCTGGCTGGATGAGATGATGAATGATGATGATGATGATGATGATGATGAT 2171
Db 121 GTACATACCTGGCTGGATGAGATGATGAATGATGATGATGATGATGATGATGATGAT 180
2172 TAATAAGGATGATGTTCAACACAGCAAGTGTGTGTTTTCAGCAGAACTCTCGGAGGCTC 2231
Db 181 TAATAAGGATGATGTTCAACACAGCAAGTGTGTGTTTTCAGCAGAACTCTCGGAGGCTC 240
2232 ATTTGTGGCTTCTGATGTCCTCCAAATGCTCCCATACCTGATCTCTTCCCACTGGCCAAAT 2291
Db 241 ATTTGTGGCTTCTGATGTCCTCCAAATGCTCCCATACCTGATCTCTTCCCACTGGCCAAAT 300
2292 CACCCACCTGAAGCGGGAATTCAGCGGGGAGTCTCATTTATCTGACTTGGACAGCTCC 2351
Db 301 CACCCACCTGAAGCGGGAATTCAGCGGGGAGTCTCATTTATCTGACTTGGACAGCTCC 360
2352 TGGGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2411
Db 361 TGGGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 420
2412 TCTTGATCTCAGACAAAGTTCATGAAATCTCTTCAAGTGAATGATGATGATGATGATGAT 2471
Db 421 TCTTGATCTCAGACAAAGTTCATGAAATCTCTTCAAGTGAATGATGATGATGATGATGAT 480
2472 AAAGGAAGCAACTCTGAGGAGTCTTTTGTGTTTAAACGAGAAACATTTACTTTTGA 2531
Db 481 AAAGGAAGCAACTCTGAGGAGTCTTTTGTGTTTAAACGAGAAACATTTACTTTTGA 540
2532 TGGCAGATCTTTTTCATGCTATTTCAGGCTGTTGATGATGATGATGATGATGATGATGAT 2591
Db 541 TGGCAGATCTTTTTCATGCTATTTCAGGCTGTTGATGATGATGATGATGATGATGATGAT 600
2592 ATCCAACATTCACAGATCTTTTGTGTTTATTCCTCCAGACTCCGCGAGACACCTAG 2651
Db 601 ATCCAACATTCACAGATCTTTTGTGTTTATTCCTCCAGACTCCGCGAGACACCTAG 660
2652 TCCTGATGAACCTCTGCTCTTGT- CTTAATATTATATCAACAGCACTTCTGCGCA 2710
Db 661 TCCTGATGAACCTCTGCTCTTGT- CTTAATATTATATCAACAGCACTTCTGCGCA 720
2711 TTCATATTTAAATAATTTATGGAAGTGGATGAGGAGTCTGAGTGTCAATAGCTAGG 2770
Db 721 TTCATATTTAAATAATTTATGGAAGTGGATGAGGAGTCTGAGTGTCAATAGCTAGG 780
2771 GCTGAATTTTGTGAGATAAATAAATAAATCAATTCATCTCTTTTGTGATTTATAA 2828
Db 781 GGTGAATTTTGTGCGGGAAT-AAATAATSAATTCANCCCTTTTGTGRTTTATAA 837

RESULT 12

PCT-US95-07289-8

; Sequence 8, Application PC/TUS9507289

; GENERAL INFORMATION:

APPLICANT: Yu, Guo-Liang
APPLICANT: Rosen, Craig
TITLE OF INVENTION: Colon Specific Genes and Proteins
NUMBER OF SEQUENCES: 24
CORRESPONDENCE ADDRESS:
ADDRESSEE: Carellia, Byrne, Bain, Gilfillan, Cecchi,
ADDRESSEE: Stewart & Olstein
STREET: 6 Becker Farm Road
CITY: Roseland
STATE: NJ
COUNTRY: USA
ZIP: 07068-1739
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/07289
FILING DATE: 06-JUN-1995
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Ferraro, Gregory D.
REGISTRATION NUMBER: 36,134
REFERENCE/DOCKET NUMBER: 325800-265
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-994-1700
TELEFAX: 201-994-1744
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 878 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cdna
FEATURE:
NAME/KEY: CDS
LOCATION: 2..685
PCT-US95-07289-8

Query Match 26.5%; Score 790.8; DB 5; Length 878;

Best Local Similarity 97.9%; Pred. No. 1.8e-223;

Mismatches 15; Indels 2; Gaps 2;

1992 TGTCTACTCAAGGTATTTTCAACAACTTATGACACGAGTGTAGATACAGTGTAAAGTGG 2051
Db 1 TGTCTACTCAAGGTATTTTCAACAACTTATGACACGAGTGTAGATACAGTGTAAAGTGG 60
2052 GGCTCTGGAGAGGTTAAACGACGAGAGTGTATACCCAGCAGAGTGGAGCACT 2111
Db 61 GGCTCTGGAGAGGTTAAACGACGAGAGTGTATACCCAGCAGAGTGGAGCACT 120
2112 GTACATACCTGGCTGGATGAGATGATGAATGATGATGATGATGATGATGATGATGAT 2171
Db 121 GTACATACCTGGCTGGATGAGATGATGAATGATGATGATGATGATGATGATGATGAT 180
2172 TAATAAGGATGATGTTCAACACAGCAAGTGTGTTTTCAGCAGAACTCTCGGAGGCTC 2231
Db 181 TAATAAGGATGATGTTCAACACAGCAAGTGTGTTTTCAGCAGAACTCTCGGAGGCTC 240
2232 ATTTGTGGCTTCTGATGTCCTCCAAATGCTCCCATACCTGATCTCTTCCCACTGGCCAAAT 2291
Db 241 ATTTGTGGCTTCTGATGTCCTCCAAATGCTCCCATACCTGATCTCTTCCCACTGGCCAAAT 300
2292 CACCCACCTGAAGCGGGAATTCAGCGGGGAGTCTCATTTATCTGACTTGGACAGCTCC 2351
Db 301 CACCCACCTGAAGCGGGAATTCAGCGGGGAGTCTCATTTATCTGACTTGGACAGCTCC 360
2352 TGGGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2411
Db 361 TGGGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 420
2412 TCTTGATCTCAGACAAAGTTCATGAAATCTCTTCAAGTGAATGATGATGATGATGATGAT 2471

Db	1413	GTTCATCTGCAGCCCCAAA	CTGAGGAAATTATCA	CGTCTTACAGGAGGTTTAAAGTTCT	1472										
Qy	1397	ATGCTTCAGATCAAGTT	CAGAA	CAATGGCCTCAT	TGATGCTTTTGGGGCCCTTTCA	TCA	TCAG	1456							
Db	1473	TTGTTTCAGATAT	CAAACTCC	CAATAGCATGAT	TGATGCTTTTCAGTAGAA	TTTCTCTG	1532								
Qy	1457	GAATAGGAGTGTCTCT	CAGCGCTCCAT	CAGCGTTGAGAGTAA	GGGATTAA	CCCTCCAGA	1516								
Db	1533	GAAC	TGGAGACATTTTCAG	CAACATATTCAGCTTGA	AGGTACAGGTGA	AAATGTCA	AAAC	1592							
Qy	1517	ACGCCAGTGAATGG	CACAGTGA	TCGTGGACAC	CGTGGGAAAGACAC	ATTGTT	1576								
Db	1593	CTCACCATCAAT	TGAAAAA	CACAGTGA	CTGTGGATAT	TACTGTGGGCAAC	GACATATGT	1652							
Qy	1577	TTCTTTAC	CACTG--	GACAGCGAGCCT	CCCCAAATCCTTCTCTGGAT	TCCCGATGGAC	1633								
Db	1653	TTCTAGTTAC	TGCGCGCAGTGGT	CCTCCTGTAGATTA	TATTA	TTTGTGATCTCGATGGAC	1712								
Qy	1634	AGAAGCA-----	AGGTGGCTTTGTAGTGGAC	AAAAA	CACAAAATGGCCTACCTCCAA	1687									
Db	1713	GAATA	TACTACAAATAA	TTTTATACCAATCTA	ACTTTTCGACAGCTAGTCTTTGGA	1772									
Qy	1688	TCC	CAGGCA	TTGCTAAGTTGG	CAC	TTG	GA	AA	TA	CA	CT	CTG	CAAG	CAAGCT-----	1738
Db	1773	TTCCAGGA	CAGCTAAG	CCTGGC	ACTGG	ACTACACCTTGAA	CAATACCATCATTTCTC	1832							
Qy	1739	CACAAA	CCTTGAC	CTGAC	GTGAC	GGTCCG	TGTC	CAATGCTA	CCCTGCCTCCAA	TTA	1798				
Db	1833	TGCAAG	CCCCGTGA	AAAGTGA	CAGTGA	CTCTCGCGCTCCAA	CTCAGCTGTGCC	CCCCAGCCA	1892						
Qy	1799	CAGTGA	CTTCCAAA	CGAA	CAAGGAC	CAACAGCAAA	TTCCCGAGCCCTCTCGT	AGTTATG	1858						
Db	1893	CTGTGGA	AGCCTTTGTGGA	AGAGACAG	CCCTCCATTTCTCATCTCTG	TGATGATG	1952								
Qy	1859	CAAA	TATTCGC	CAAGGACCTCC	CAATTTCTCAGGCGCAGTGTCA	AGCCCTGATTTGAAT	1918								
Db	1953	CCAATGTGA	AAACAGGGATTTTAT	CCCCATTTCTAATG	CCACTGTCACTGCC	ACAGTTGAGC	2012								
Qy	1919	CAGTGA	ATGGAAAA	CAAGTTAC	CTTGGA	ATACTGGATATGG	ACAGGTGCTGTAGTCA	1978							
Db	2013	CAGAG	CTGGAGATCTCTGT	TACCGTGTAG	ACTCTCTGTATGTGG	ACAGGTGCTGATGTTA	2072								
Qy	1979	CTAAGG	ATGACGGTGTCTACT	CAAGGTATTTCA	CAACTTATGAC	AGAAATGGTAGATACA	2038								
Db	2073	TAAAAA	ATGATGGAATTTTAC	TGAGGTATTTTTTCTCTT	TGCTGCAAAATGGTAGATATA	2132									
Qy	2039	GTGTAA	AGTGC	GGGCTCTG	GGAGGATTAACG	CAGCGACAGCGAGAGTGATAC	CCCCAGC	2098							
Db	2133	GCTTGA	AGTGCATGTCA	ATCACTCTCC	AGCATAAAGCACCC	AGCCACTCTATTCCAG	2192								
Qy	2099	AGAGTGA	GCACCTGTAC	ATCTGGCTGGAT	TGAGAAATGA	ATAAATGGAATCCAC	2158								
Db	2193	GGAGTCA	TGCTATGTATGTAT	GTACAGGTTTAC	CAGCAAA	CGGTAA	TATTTCA	GATGAA	TGCTC	2252					
Qy	2159	CAAGAC	CTGAAATTA	ATAAGGATCATGT	TCACACAA	CAAGCAAGTGTGTTTCAG	GAGAACAT	2218							
Db	2253	CAAGAA	ATCAGTAGG	CAGAAATGAGG	AGCGAAAG---	TGGGGCTTTAG	CCGAGTCA	2309							
Qy	2219	CCTCGG	AGGCTCATTTTGTGG	CTTCTGATGTCC	AAATGCTCCCATACCT	CGATCTCTTCC	2278								
Db	2310	GCTCAG	AGGCTCTTTTTCAGT	GTGGAGTTC	ACAGTGGCCCCC	CCCTGATGTGTTTC	2369								
Qy	2279	CAC	TGGCAAAATCAC	CGACCTGAAG	CGGGAAATTC	ACGGGGCAGTCTCAT	TAATCTGA	2338							
Db	2370	CACCATG	CAAAATTA	TTTGA	CTCTGGAAGCTGTAA	ATAGAAGGAA-----	TTGACCCCTAT	2424							
Qy	2339	CTTGG	ACAGCTCTCGG	GAATGATTA	TACCA	TGAA	CAGCTCA	CAGTATAT	CATTCGAA	2398					
Db	2425	CTTGG	ACAGCA	CCCTGG	GAAGACTTTTAT	CAGGGCC	AGGCTACA	AGGCTATGA	AAATGA	2484					
Qy	2399	TAAGTA	CAAGTATTTCTTGAT	CTCAG	ACACAA	AGTTCAAT	GAAATCTCTTCA	AGTGA	ATACTA	2458					

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Db      2485 TGAGTAAAGCTTACAGATATCCAAGATGACTTTTAAACAATGCTATTTTAGTAAATACAT 2544
Qy      2459 CTGCTCTCATCCCAAAGGAAGCCAACTCTGAGGAAGTCTTTTTTGTGTTTAAACCGAGAAACA 2518
Db      2545 CAAAGCGAAATCCTCAGCAGCTGGCATCAGGGAGATATTTACGTTCTCACCCCAAAATTT 2604
Qy      2519 TTACTTTTGAABATG 2533
Db      2605 CCACGAATGGACCTG 2619

RESULT 14
US-09-480-884A-168
; Sequence 168, Application US/09480884A
; Patent No. 6492597
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Hosken, Nancy A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.455C6
; CURRENT APPLICATION NUMBER: US/09/480,884A
; CURRENT FILING DATE: 2001-08-27
; NUMBER OF SEQ ID NOS: 330
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 168
; LENGTH: 2784
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-480-884A-168

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Query Match	18.8%; Score 554..6; DB 4; Length 2784;
Best Local Similarity	55.5%; Pred. No. 2.5e-153;
Matches 1373; Conservative	0; Mismatches 1034; Indels 68; Gaps 13;
Qy	98 TTCAAGCTGAACAACAATGGCTATGAAGGCATTCTGTTGCAATCGACCCCAATGTGCCAG 157
Db	174 TACAGCTTCAAGACAATGGGTATAATGGATGCTCATTTGCAATTAATCTTCAGGTACCTG 233
Qy	158 AAGATGAAACACATCAITTCACAAACAATAAGACATGGTGACCCAGGCATCTCTGTATCTGT 217
Db	234 AGAATCAGAACCTCAITCTCAACATTAAGGAATGATACTGAAGCTTCATTTTACCTAT 293
Qy	218 TTGAAGCTACAGGAAGCGATTTTATTTCAAAAATGTTGCCATTTTGAATTCCTTGAACAT 277
Db	294 TTAATGCTCAACAAGAAAGAGTATTTTTCAGAAATATAAGATTTTAAATACCTGCCACAT 353
Qy	278 GGAAGACAAAGGCTGACTATGTGAGACCAAAACCTTGAGACCTACAANAATGCTGATGTTTC 337
Db	354 GGAAGGCTAA---TAATAACAGCAAAATAAAACAAGAAATCATATGAAGAAGGCAAAATGTCA 410
Qy	338 TGGTTGCTGAGTCTACTCTCCAGGTAAATGATGAAACCTACACTGAGCAGATGGGCAACT 397
Db	411 TAGTGACTGACTGGTATGGGGCACATGGAGATGATCCATACACCTTACAATACAGAGGT 470
Qy	398 GTGAGAGAAAGGTGAAAGGATCCACTCACTCCTGATTTTCATTCGAGGAAAAAAGTT-- 455
Db	471 GTGMAAAGAGGGMAAATACATTTTCATTTACACCTAATTTTCTACTGAATGATAACTTAA 530
Qy	456 -AGCTGAATATGAACCAAGGTAGGGCATTTTGTCCATGATGGGCTCATCTACGATGGG 514
Db	531 CAGCTGGCTACGAGTACACGAGGGCCGAGTGTGTGTCATGAATGGGCCCACTCCGTTGGG 590
Qy	515 GAGTATTTGACGAGTACAAATAATGATGAGAAATTTCTACTTATCCAAATGGAA---GAATAC 571
Db	591 GTGTGTTGATGAGTATACAAATGACAAACCTTTTACATAAATGGGCAAAATCAAAATTA 650
Qy	572 AAGCAGTGAAGATGTTTCAGCAGGTATTACTGGTGACAAATGTAGTAAAGAGTGTCAGGGAG 631
Db	651 AAGTGACAAAGGTGTTTATCTGACATACAGGCATTTTGT-----GTGTGAAAAAG 701

QY 632 GCAGCTGTACACCAAAAGATGCATTCATTAAGTAACAGAGCTCTATGAAAAGGAT 691
Db 702 GTCCCTTGCCCCAAGAAAAGTGTATTTAGTAAG-----CTTTTAAAGAGGAT 752
QY 692 GTGAGCTTTGCTCCAAATCCCGCAGACGGAGAGCTTCTATTAATGTTTGACACATG 751
Db 753 GCACCTTTATCTACAAATAGCACCCAAAATGCAATGCATCAATATGTTTCATGCAAGTT 812
QY 752 TTGATTTCTATAGTGAATTTCTGTACAGAACAAAACCAACAAAGAGCTCCAAAACAGC 811
Db 813 TATCTTCTGTGTTGAAATTTTGTATGCAAGTACCCACAAAGAGACCAACCTAC 872
QY 812 AAAATCAAAAATGCAATCTCCGAAGCACATGGGAAGTATCCGTGATTCGAGGACTTTA 871
Db 873 AGAACAGATGTGCAGCTCTCAGAAAGTGCATGGATGTATACAGACTCTGCTGACTTTC 932
QY 872 AGAAACCACTCCTAT-----GACACACAGCCCAAAATCCCACTTCTCATTTGCTGC 925
Db 933 ACCACAGCTTTCCCATGAAGCGGACTGAGCTTCCACCTCTCCCAATTTCTCGCTGTAG 992
QY 926 AGATTGGCAAAAGAAATTTGTGTTAGTCTTTGACAAAATCTGGAAGCATGGCGACTGGTA 985
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QY 986 ACCGCTCAATCGACTGAATCAAGCAGGCGAGCTTTTCTGCTGCAGACAGTTGAGCTGG 1045
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QY 1046 GGTCTGGTGGGATGGTGAATTTGACAGTGTGCTGCCCATGTACAAAGTGAATCATAC 1105
Db 1113 ATACCTTGTGGGCATTTGCCAGTTTTCGACAGAAAGGAGATCAGAGCCAGCTACACC 1172
QY 1106 AGATAAACAGTGGCAGTACAGGACACACTCGCCAAAAGATTAC-----CTGCAGAG 1159
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QY 1160 CTTACAGGAGGAGCTCCATCTCAGCGGCTTTGATCGGCATTTACTGTGATTAAGAA-- 1217
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QY 1218 -GAAATATCCAACTGATGATCTGAAATTTGCTGCTGACGATGGGAGAACACACTA 1276
Db 1293 TGAATGGAAAGCTTATGCTCTGTGATGATATTAGTACACGCGAGATGATAAGCTTC 1352
QY 1277 TAAGTGGGTGCTTTAAGAGGCTCAACAAAGTGTGCTCATATCCACAGCTCGCTTTGG 1336
Db 1353 TTGGCAATTTGCTTACCCTGCTCAGCAGTGGTTCAACAATCTACTCCATGCGCTGG 1412
QY 1337 GGCCTCTGACGCTCAAGAACTAGAGGAGCTGTCCAAAATGACAGAGGTTTACAGACAT 1396
Db 1413 GTTCATCTGCAGCCCCAAATCTGGAGGAATTTACAGCTCTTACAGAGGTTTAAAGTTCT 1472
QY 1397 ATGCTTCAGATCAAGTTGACAAATGCGCTCATTTGATGCTTTTGGGCGCTTTTCATCAG 1456
Db 1473 TTGTTCCAGATATACAACTCCAAATAGCATGATTTGATGCTTTTCAGTAGAATTTTCTCTG 1532
QY 1457 GAAATGGAGCTCTCTCAGCGCTCCATCCAGCTTGAGAGTAAGGATTAACCTCCAGA 1516
Db 1533 GAACTGGAGACAATTTCCAGCAACATATTCAGCTTGAAGTAGCAGTGAAAATGTCAAC 1592
QY 1517 ACAGCAGTGGATGAATGGCAGTGTGCTGGACAGCACCGTGGGAAAGGACACTTTGT 1576
Db 1593 CTCACCATCAATTTGAAAACACAGTGACTGTGGATAATCTGTGGCAACGACACTATGT 1652
QY 1577 TTTCTATCACCTG-----GACACGAGCTCCCAAAATCTCTCTGGGATCCAGTGGAC 1633
Db 1653 TTTCTAGTTACGTGGCGGCGAGTGTCTCTCTGAGATTTATTTATTTGATCTCTGATGAC 1712
QY 1634 AGAAGCA-----AGTGGCTTTGTAGTGCACAAACCAACCAAAATGGCTACCTCCAA 1687
Db 1713 GAAAATACTACAAATAATTTTATACCAACTCTAACTTTTTCGGAGAGCTAGTCTTTGGA 1772

QY 1688 TCCAGGGATTTGCTAAGGTTGGCACTTGGAAATACAGTCTGCAAGCAAGCT----- 1738
Db 1773 TTTCCAGGAACAGCTAAGCTCTGGCACTTACACCTTGAAACAATACCCATCATTTCTC 1832
QY 1739 CACAAACCTTGACCCCTGACTGTGACGTCGCGTCCAAATGCTACCTGCTGCTCCAAATTA 1798
Db 1833 TCCAGGCTGTAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 1892
QY 1799 CAGTGAATTTCCAAAACGAAACGAAACGAAACGAAATTTCCCAAGCCCTCTGGTAGTTATG 1858
Db 1893 CTGTGGAAGCCCTTTGTGGAAGAGAGACAGCTCCATTTTCTCATCTCTGTGATGATTTATG 1952
QY 1859 CAAATATTTCCCAAGAGAGCTCCCAATTTCTCAGGGCCAGTGTCAAGCCCTGATTTGAT 1918
Db 1953 CCAATGTGAAACAGGAGATTTTATCCCATTTCTTAATGCCACTGTCTGACAGTGTAGC 2012
QY 1919 CAGTCAATTTGGAACAAAGTGTACCTTTGGAATCTACTGGAATGAGAGCAGTGTGATGCTA 1978
Db 2013 CAGAGCTGGAGATCTCTGTGAGCTGTGAGACTCTTGTGATGAGGAGGAGTGTGATGTTA 2072
QY 1979 CTAAGGATGACGGTGTCTACTCAAGGTATTTTCAAACTTATGACACGAATGGTAGATACA 2038
Db 2073 TAAAAAATGATGGAATTTTACTCGAGGTATTTTCTCTCTTCTGCAAAATGGTAGATA 2132
QY 2039 GTGTAAGTGGCGGCTCTGGAGAGGATTAACGAGCCAGACGAGAGTGTATACCCAGC 2098
Db 2133 GCTTGAAGTGTGATGTCAATCACTCTCCAGCATTAAGCACCCAGCCCACTCTATTTCCAG 2192
QY 2099 AGAGTGGAGCAGTGTACATACCTGCTGATTTGAGATGAGATGAGATGAGATGAGATGAG 2158
Db 2193 GGAGTCATGTAATGATGTACAGGTTTACAGGAAACGATTAATTTAGATGATGCTC 2252
QY 2159 CAAGACCTGAAATTAATGAAGTATGTTTCAACACAAAGCAAGTGTGTTTTCAGCAGAACAT 2218
Db 2253 CAAGGAATCAGTAGGAGAAATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2309
QY 2219 CTTGGGAGGCTCATTTGTGGCTTCTGATGTCCTCCAAATGCTCCATACCTGATCTCTCC 2278
Db 2310 GCTCAGGAGGCTCTTTTTCAGTGTGGGAGTTCAGCTGGGCGGCGGCGGCGGCGGCGGCGG 2369
QY 2279 CACTGGCCCAATCACCGACCTGAGGCGGAAATTCACGGGGGCGAGTCTCATTAATCTGA 2338
Db 2370 CACCATGCAAAATTAATGACCTGGAAGCTGTAATAGAGAGGAA-----TTGACCCCTAT 2424
QY 2339 CTTGACAGCTCTCTGGGATGATTAATGACCATGGAACAGCTCACAGTATATCATTCGAA 2398
Db 2425 CTTGACAGCTCTGGAGAGACTTTTGTATCAGGCGGCGGCTACAGCTATGAAATAAGAA 2484
QY 2399 TAAGTACAGTATTTCTGATCTCAGAGACAAATTCAAATGAATCTCTTCAAGTGAATACTA 2458
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RESULT 15

US-09-542-615A-168
; Sequence 168, Application US/09542615A
; Patent No. 6518256
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy A.
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY

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Job time : 280.198 secs

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Run on: April 21, 2004, 16:13:49 ; Search time 126.435 Seconds
(without alignments)
13045.792 Million cell updates/sec

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Perfect score: 5380

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Ygapop 10.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 1133595 seqs, 276475211 residues

Total number of hits satisfying chosen parameters: 2267190

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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Database : Published Applications AA:

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- 3: /cgn2_6/prodata/2/pubpaa/US06_NEW_PUB.pep.*
- 4: /cgn2_6/prodata/2/pubpaa/US06_PUBCOMB.pep.*
- 5: /cgn2_6/prodata/2/pubpaa/US07_NEW_PUB.pep.*
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- 11: /cgn2_6/prodata/2/pubpaa/US09C_PUBCOMB.pep.*
- 12: /cgn2_6/prodata/2/pubpaa/US09_NEW_PUB.pep.*
- 13: /cgn2_6/prodata/2/pubpaa/US10A_PUBCOMB.pep.*
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- 18: /cgn2_6/prodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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1	4802	89.3	925	9	US-09-764-868-635	Sequence 635, App
2	4802	89.3	925	14	US-10-106-698-6248	Sequence 6248, Ap
3	4759	88.5	914	9	US-09-823-356-8	Sequence 8, Appli
4	4759	88.5	914	9	US-09-981-353-192	Sequence 192, App
5	4759	88.5	914	11	US-09-833-245-2054	Sequence 2054, Ap
6	4759	88.5	914	14	US-10-235-994-26	Sequence 26, Appl
7	4759	88.5	914	14	US-10-060-255-42	Sequence 42, Appl
8	4756	88.4	914	9	US-09-922-217-1066	Sequence 1066, Ap
9	4756	88.4	914	9	US-09-833-263-1066	Sequence 1066, Ap
10	4756	88.4	914	13	US-10-025-380-1066	Sequence 1066, Ap
11	4754	88.4	914	14	US-10-270-595-6	Sequence 6, Appli
12	4753	88.3	914	14	US-10-055-412B-28	Sequence 28, Appl
13	4751	88.3	914	15	US-10-369-214-133	Sequence 133, App
14	4476	83.2	869	14	US-10-106-698-6388	Sequence 6388, Ap
15	3656.5	68.0	913	14	US-10-270-595-2	Sequence 2, Appli
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ALIGNMENTS

RESULT 1

US-09-764-868-635
; Sequence 635, Application US/09764868
; Patent No. US20020168711A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PT232
; CURRENT APPLICATION NUMBER: US/09/764,868
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 1510
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 635
; LENGTH: 925
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-764-868-635

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Best Local Similarity:	100.00%		

Query Match:	89.26%	Indels:	0
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DB	24	LeuHisLeuLeuGluGlyAlaLeuSerAsnSerLeuIleGlnLeuAsnAsnGlyTyr	43
QY	121	GAAGGCATTGCTGTGCAATCGACCCCAATGTGCCAGAGAGTCAACACTTCAACAA	180
DB	44	GluiGlyIleValValAlaIleAspProAsnValProGluAspGluThrLeuIleGlnGln	63
QY	181	ATAAGGACATGGTGACCCAGGATCTCTGTATCTGTTTGAAGCTACAGGAAGCGATT	240
DB	64	IleLysAspMetValThrGlnAlaSerLeuTyrLeuPheGluAlaThrGlyLysArgPhe	83
QY	241	TATTTCAAAAATGTTCCATTTTGTATCTCTGAAACATGAAGCAACAAAGCTGACTAT	300
DB	84	TyrPheLysAsnValAlaIleLeuIleProGluThrTrpLysThrLysAlaAspTyrVal	103
QY	301	AGACCAAACTTGAGACCTACAAAATGCTGTATCTGTTTGTGTTGCTGAGTCTACTCT	360
DB	104	ArgProLysLeuGluThrTyrLysAsnAlaAspValLeuValAlaGluSerThrPro	123
QY	361	GGTAATGATGAACCTTACACTGACGAGATGGCACTGTGGAGAGAGGTTGAAAGATC	420
DB	124	GlyAsnAspGluProTyrThrGluGlnMetGlyAsnCysGlyGluLysGlyGluArgIle	143
QY	421	CACCTCAGCTCCTGATTTTCAATTCAGAGAAAAGTTAGCTGAATATGGACCAAGTAG	480
DB	144	HisLeuThrProAspPheIleAlaGlyLysLysLeuAlaGluTyrGlyProGlnGlyArg	163
QY	481	GCATTTGTCATGAGTGGGCTCATCTACGATGGGAGTATTTGACGAGTACAAATATGAT	540
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QY	601	GGTACAAATGTAGTAAAGTGTGAGGAGGAGCTGTATACCAAAAGATGCACATTC	660
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QY	661	AATAAGTAAACAGGACTCTATGAAAAGGATGTGAGTTTGTCTCCAATCCCGCCAGAG	720
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QY	781	CAAAACCAACAAAGAGCTCAACAAAGCAAAATCAAAAATGCAATCTCCGAGGCACA	840
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QY	841	TGGGAGTGCATCCGTGATCTGAGCTTTAGAAAACCCCTCTATGACACACAGCCA	900
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QY	901	CAAAATCCCACTTCTCATGTGTGAGATTTGACAAAAGAAATGTGTGTGTAGTCTCTGAC	960
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QY	961	AAATCTGGAAGCATGGCGACTGGTAACCGCTCAATCGACTGAATCAAGCAGCGCGCTT	1020
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QY	1021	TTCTGTCTGCAGACAGTTGAGCTGGGGTCTGGGTGGGATCGTGACATTTGACAGTGTCT	1080
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DB	404	PheThrValIleArgLysLysTyrProThrAspGlySerGluIleValLeuLeuThrAsp	423
QY	1261	GGGGAAGACACACTATTAAGTGGTGTCTTAACGAGGTCAACAAAGTGGTGGTCCATC	1320
DB	424	GlyGluAspAsnThrIleSerGlyCysPheAsnGluValLysGlnSerGlyAlaIleIle	443
QY	1321	CACACAGTCGCTTTGGGGCCCTCTGCAGCTCAAGAACTAGAGGAGCTGTCCAAAATGACA	1380
DB	444	HisThrValAlaLeuGlyProSerAlaAlaGlnGluLeuGluLeuSerLysMetThr	463
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DB	464	GlyGlyLeuGlnThrTyrAlaSerAspGlnValGlnAsnAsnGlyLeuIleAspAlaPhe	483
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QY	1561	GGAAAGACACTTTGTTTCTTATCACCTGGCAACGCGAGCTTCCCAATCTCTCTGG	1620
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DB	544	AspProSerGlyGlnLysGlnGlyPheValValAspLysAsnThrLysMetAlaTyr	563
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DB	564	LeuGlnIleProGlyIleAlaLysValGlyThrTrpLysTyrSerLeuGlnAlaSerSer	583
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DB	644	ValAsnGlyLysThrValThrLeuLeuLeuAspAsnGlyAlaGlyAlaAspAlaThr	663
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DB	684	ValLysValAlaGlnLeuGlyGlyValAsnAlaAlaArgArgValIleProGlnGln	703
QY	2101	AGTGGAGCACTGTACATACCTGGCTGGATTGAGAAATGATGAAATACAAATGGAATCCACCA	2160

Db	704	SerGlyAlaLeuTyrIleProGlyTrpIleGluAsnAspGluIleGlnTrpAsnProPro	723
Qy	2161	AGACCTGAAATTAATAAGGATGATGTTCAACACAGCAAGTGTGTTTTCAGCAGAACATCC	2220
Db	724	ArgProGluIleAsnLysAspAspValGlnHisLysGlnValCysPheSerArgThrSer	743
Qy	2221	TGGGAGGCTCATTTGGGCTTCGTATGCCAAATGCTCCCATACTGATCTCTCCCA	2280
Db	744	SerGlyGlySerPheValAlaSerAspValProAsnAlaProIleProAspLeuPhePro	763
Qy	2281	CTGGGCAATACACCCAGCTGAGGGGAAATTCAGGGGGAGTCTCATTAATCTGACT	2340
Db	764	ProGlyGlnIleThrAspLeuLysAlaGluIleHisGlySerLeuIleAsnLeuThr	783
Qy	2341	TGGACAGCTCTCTGGGATGATTATGACCATGGAAACAGCTCACAAAGTATATCATTCGAATA	2400
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Qy	2401	AGTACAGATTTCTTGATCTCAGAGACAAAGTTCATGAATCTCTTCAAGTGAATACTACT	2460
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Qy	2461	GCTCTCATCCCAAGGACCACTCTGAGGAAGTCTTTTGTGTTTAAACAGAAACATTT	2520
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Db	844	ThrPheGluAsnGlyThrAspLeuPheIleAlaIleGlnAlaValAspLysValAspLeu	863
Qy	2581	AAATCAGAATATCCAACATTGACAGATATCTTTGTTTATCTCCACAGACTCCGCCA	2640
Db	864	LysSerGluIleSerAsnIleAlaArgValSerLeuPheIleProGlnThrProPro	883
Qy	2641	GAGACCTAGCTGATGAAAGTCTGCTCTGTTGTTCTTAATATCATATCAACAGACC	2700
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Qy	2701	ATTCTGGCATTCACATTTTAAATAATTATGTGAAGTGGATAGGAACTGCAGCTGTCA	2760
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RESULT 2

US-10-106-698-6248

; Sequence 6248, Application US/10106698

; Publication No. US20030109690A1

; GENERAL INFORMATION:

; APPLICANT: Ruben et al.

; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide

; FILE REFERENCE: PA005P1

; CURRENT APPLICATION NUMBER: US/10/106,698

; CURRENT FILING DATE: 2002-03-27

; PRIOR APPLICATION NUMBER: PCT/US00/26524

; PRIOR FILING DATE: 2000-09-28

; PRIOR APPLICATION NUMBER: US 60/157,137

; PRIOR FILING DATE: 1999-09-29

; PRIOR APPLICATION NUMBER: US 60/163,280

; PRIOR FILING DATE: 1999-11-03

; NUMBER OF SEQ ID NOS: 8564

; SOFTWARE: PatentIn Ver. 3.0

; SEQ ID NO 6248

; LENGTH: 925

; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-106-698-6248

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Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	89.26%	Indels:	0
DB:	14	Gaps:	0
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Qy	61	CTTCACCTCTTAGAAGGGCCCTGAGTAATCTACTTACTTACCTGCTGCTGCTGCTGCTAT	120
Db	24	LeuHisLeuLeuGluGlyAlaLeuSerAsnSerLeuIleGlnLeuAsnAsnGlyTyr	43
Qy	121	GAAGGATTTGCTTCAATCGACCCCAATGTCCAGAGATGAAACACACTATTCAACAA	180
Db	44	GluGlyIleValValAlaIleAspProAsnValProGluAspGluThrLeuIleGlnGln	63
Qy	181	ATAAGGACATGGTGACCCAGGCATCTCTGTATCTCTTTTGAAGCTACAGGAAACCGATT	240
Db	64	IleLysAspMetValThrGlnAlaSerLeuTyrLeuPheGluAlaThrGlyLysArgPhe	83
Qy	241	TATTTCAAAATGTTGCCATTTTGGATTCCTGAAACATGGAAGACAAAGGCTGATATGTG	300
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Qy	301	AGACCAAACTTGAGACCTACAAAATGCTGATGTTCTGTTCTGCTGCTGCTGCTGCTCA	360
Db	104	ArgProLysLeuGluThrTyrLysAsnAlaAspValLeuValAlaGluSerThrProPro	123
Qy	361	GGTAATGATGAACCTTACACTGAGCAGATGGGCAACTGTGGAGAGAGGTTGAAAGATC	420
Db	124	GlyAsnAspGluProTyrThrGluGlnMetGlyAsnCysGlyGluLysGlyGluArgIle	143
Qy	421	CACCTCACCTCTGATTTTCATTGTCAGGAAAGTGTAGCTGATGATGACACACAGGTAGG	480
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Qy	481	GCATTTGTCATGAGTGGGCTCATCTACGATGGGAGTATTTTCACGAGTACATAATGAT	540
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Qy	601	GGTACAAATGTAGTAAAGAGTGTACAGGAGGAGCTGTTTACACCAAAAGATGCATTC	660
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Qy	781	CAAAACCAACAAGAAGCTCCAAACAAGCAAAATCAAAAATGCAATCTCCGAAGCACA	840
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Qy	961	AAATCTGGAAGCATGGCGACTGGTAACCGCCTCAATCGACTGAATCAAGCAGCCAGCTT	1020

Db 324 LysSerGlySerMetAlaThrGlyAenArgLeuAsnArgLeuAsnGlnAlaGlyGlnLeu 343
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Db 644 ValAsnGlyLysThrValThrLeuGluLeuLeuAspAsnGlyAlaGlyAlaAspAlaThr 663
1981 AAGGATGCGGTCTCTACTCAGGTATTTCACAACTTATGACCAAGTGGTAGATACACT 2040
Db 664 LysAspAspGlyValLysSerArgTrpPheThrThrThrAspThrAsnGlyArgTrpSer 683
2041 GTAAAAGTCGGGCTCTGGAGAGTTAAACGCCAGCGAGAGTGTATCCCGCAG 2100

Db 684 ValLysValArgAlaLeuGlyGlyValAlaAsnAlaAlaArgArgValIleProGlnGln 703
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2701 ATTCCTGCAATTCACATTTTAAATAATATGTGGAAGTGGATAGAGAACTGCAGCTGTCA 2760
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2761 ATAGCC 2766
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RESULT 3

US-09-823-356-8
; Sequence 8, Application US/09823356
; Patent No. US2001002509A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Bandman, Olga
; APPLICANT: Lal, Preeti
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Yue, Henry
; APPLICANT: Corley, Neil C.
; APPLICANT: Guegler, Karl J.
; APPLICANT: Kaser, Matthew R.
; APPLICANT: Baughn, Mariah R.
; APPLICANT: Shah, Furvi
; TITLE OF INVENTION: HUMAN MEMBRANE SPANNING PROTEINS
; FILE REFERENCE: PF-0489-1 CON
; CURRENT APPLICATION NUMBER: US/09/823,356
; CURRENT FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/039,307
; PRIOR FILING DATE: 1998 March 13
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PERL Program

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; SEQ ID NO 8
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20010025098A1 1737775
US-09-823-356-8

Alignment Scores:
Pred. No.: 0 Length: 914
Score: 4759.00 Matches: 914
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 88.46% Indels: 0
DB: 9 Gaps: 0

US-09-049-696-20 (1-2983) x US-09-823-356-8 (1-914)

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DB 21 SerAsnSerLeuIleGlnLeuAsnAsnAsnGlyTyrGluGlyValValAlaIleAsp 40
QY 145 CCCAATGTCCAGAGATCAAAACATCTTCAACAAATAAAGACATGTGACCCAGGCA 204
DB 41 ProAsnValProGluAspGluThrLeuIleGlnIleGlyAspMetValThrGlnAla 60
QY 205 TCTCTGTATCTCTTTGAAGTACAGAAAGCGATTTTATTTCAAAATGTTGCCATTTTG 264
DB 61 SerLeuTyrLeuPheGluAlaThrGlyLysArgPheTyrPheLysAsnValAlaIleLeu 80
QY 265 ATTCTGAAACATGGAAGCAAAAGGCTGACTATGTAGACCCAAACCTTGAGACCTTACAA 324
DB 81 IleProGluThrTrpLysThrLysAlaAspTyrValArgProLysLeuGluThrTyrLys 100
QY 325 AATGCTGATGTTCTGCTGCTGCTACTCTCTCCAGGTAAATGATGAACCCCTACACTGAG 384
DB 101 AsnAlaAspValLeuValAlaGluSerThrProProGlyAsnAspGluProTyrThrGlu 120
QY 385 CAGATGGGCAACTGTGGAGAGAGGTGAAGGATCCACCTCACTCTGATTTCAATGCA 444
DB 121 GlnMetGlyAsnGlyGlyLysGlyGluArgIleHisLeuThrProAspPheIleAla 140
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QY 685 AAAGATGTGAGTTGTTCTCCAAATCCCGCAGCGGAGAGCTTCTATATGTTTGA 744
DB 221 LysGlyCysGluPheValLeuGlnSerArgGlnThrGluAlaSerIleMetPheAla 240
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QY 805 AACAGCAAAATCAAAATTCGAATCTCCGAGCACATGGGAAGTGAATCCGTGATTTCTGAG 864
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; Sequence 192, Application US/09981353
; Patent No. US20020160382A1
; OTHER INFORMATION:
; APPLICANT: Lasek, Amy W.
; APPLICANT: Jones, David A.
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0038 US
; CURRENT APPLICATION NUMBER: US/09/981,353
; CURRENT FILING DATE: 2001-10-11
; NUMBER OF SEQ ID NOS: 194
; SOFTWARE: PERL Program
; SEQ ID NO 192
; LENGTH: 914
; TYPE: PRT
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; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20020160382A1 1737775CD1
US-09-981-353-192
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Best Local Similarity: 100.00% Mismatches: 0
Query Match: 88.46% Indels: 0
DB: 9 Gaps: 0
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US-09-049-696-20 (1-2983) x US-09-981-353-192 (1-914)

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QY 625 CAGGAGCAGCTGTTTACCAAAAGATGCATTCATTAATGATGAGAAATTTCTATTATGAA 684
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Db 201 GlnGlyGlySerCysTyrThrLysArgCysThrPheAsnLysValThrGlyLeuTyrGlu 220
      |||
QY 685 AAAGGATGTGATTTGTTTCTCCAATCCCGCCAGACGAGAGAGCTTCTATATGTTTGA 744
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Db 221 LysGlyCysGluPheValLeuGlnSerArgGlnThrGluLysAlaSerIleMetPheAla 240
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QY 745 CAACATGTTGATTTATAGTTGAATTTCTGTACAGAACAAAAACCAACAAAGAGCTCCA 804
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Db 241 GlnHisValAspSerIleValGluPheCysThrGluGlnAsnHisAsnLysGluAlaPro 260
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QY 805 RACAAAGCAAAATCAAAATGCAATCTCCGAAACACATGGGAAGTATCGTCTGATTTCTGAG 864
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QY 865 GACTTTAAGAAAAACCACTCTCTATGATGACACAGCCCAAAATCCCACCTTCTCTATTGCTG 924
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Db 281 AspPheLeuLysThrThrProMetThrThrGlnProProAsnProThrPheSerLeuLeu 300
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QY 985 AACCGCTCAATCGATGAATCAAGCAGCGCCAGCTTTCTGTCGAGACAGTTGAGTGG 1044
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QY 1045 GGGTCTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT 1104
Db 341 GlySerTrpValGlyMetValThrPheAspSerAlaAlaHisValGlnSerGluLeuIle 360
QY 1105 CAGATAAAGTGGCAGTGCAGGGGACACACTCGCCAAAGATTACTGCGAGCAGTCTCA 1164
Db 361 GlnIleAsnSerGlySerAspArgAspThrLeuAlaLysArgLeuProAlaAlaLys 380
QY 1165 GGAGGACGTCATCTGCAGCGGGCTTCGATCGGCATTTACTGTGATTAGGAATAAT 1224
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QY 1225 CCNACTGATGGATCTCAAAATGCTGCTGACGGATGGGAGACACAACTATAAGTGG 1284
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QY 1285 TGCTTTAAACGAGTCAAAACAAAGTGTGCCATCATCCACACAGTCCCTTTGGGGCCCTCT 1344
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QY 1885 ATTCTCAGGGCCAGTGTACAGCCCTGATTGATGATGATGATGATGATGATGATGATG 1944
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QY 2065 GTTAAACGACGACGAGGAGAGTATACCCAGCAGAGTGGAGCACTGTACATACCTGGC 2124
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QY 2185 GTTCAACAACAAGCAAGTGTGTTTTCAGCAGAAACATCTCCGGAGGCTCATTTGTGGTTCT 2244
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RESULT 5

US-09-833-245-2054
; Sequence 2054, Application US/09833245
; Publication No. US20040010134A1
; GENERAL INFORMATION:
; APPLICANT: Human Genome Sciences, Inc.
; TITLE OF INVENTION: Albumin Fusion Proteins
; FILE REFERENCE: PF546PCT
; CURRENT APPLICATION NUMBER: US/09/833,245
; CURRENT FILING DATE: 2001-04-12
; PRIOR APPLICATION NUMBER: 60/229,358
; PRIOR FILING DATE: 2000-04-12
; PRIOR APPLICATION NUMBER: 60/256,931
; PRIOR FILING DATE: 2000-12-21
; PRIOR APPLICATION NUMBER: 60/199,384
; PRIOR FILING DATE: 2000-04-25
; NUMBER OF SEQ ID NOS: 2267
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2054

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; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-833-245-2054

Alignment Scores:
  Pred. No.: 0          Length: 914
  Score: 4759.00       Matches: 914
  Percent Similarity: 100.00%  Conservative: 0
  Best Local Similarity: 100.00%  Mismatches: 0
  Query Match: 88.46%      Indels: 0
  DB: 11                  Gaps: 0

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QY 85 ACTAATTCATCTCATTACAGCTGAACAACAAATGCTATGAAGGCAATGCTTGCATTCGAC 144
DB 21 SerAsnSerLeuIleGlnLeuAsnAsnAsnGlyTyrGluGlyIleValValAlaIleAsp 40
QY 145 CCCAATGTCCGAGAGATGAACACTCATTCAACAAATAAAGGACATGCTGCCAGGCA 204
DB 41 ProAsnValProGluAspGluThrLeuIleGlnGlnIleLysAspMetValThrGlnAla 60
QY 205 TCTCTGTATCTGTTGAAGCTACAGGAAGAGGATTTTATTTCAAAAATGTTGCCATTG 264
DB 61 SerLeuTyrLeuPheGluAlaThrGlyLysArgPheTyrPheLysAsnValAlaIleLeu 80
QY 265 ATTCTGTAACATGGAAGCAAGGCTGACTATGTGAGACCAAACTTCAGACCTACAAA 324
DB 81 IleProGluThrTrpLysThrLysAlaAspTyrValArgProLysLeuGluThrTyrLys 100
QY 325 AATGCTGTATGTTCTGCTGAGTCTACTCTCCAGAGTAATGATGAACCCCTACACTGAG 384
DB 101 AsnAlaAspValLeuValAlaGluSerThrProProGlyAsnAspGluProTyrThrGlu 120
QY 385 CAGATGGGCACTGTGGAGAGAGGGTGAAGGATCCACTCACTCCTGATTTCATTGCA 444
DB 121 GlnMetGlyAsnCysGlyGluLysGlyLysGluArgIleHisLeuThrProAspPheIleAla 140
QY 445 GGAATAAAGTCTAGCTGAATATGACCAACAGGTAGGGCAATTTGTCATCAGTGGGCTCAT 504
DB 141 GlyLysLysLeuAlaGluTyrGlyProGlnGlyArgAlaPheValHisGluTrpAlaHis 160
QY 505 CTACGATGGGGAGTATTTCACGAGTACAATAATGATGAGAAATTCATTATCCAAATGGA 564
DB 161 LeuArgTrpGlyValPheAspGluTyrAsnAsnAspGluLysPheTyrLeuSerAsnGly 180
QY 565 AGAATACAAGCAGTAAGATGTCAGCAGGATTTACTGGTACAATGTAGTAAGAAGTGT 624
DB 181 ArgIleGlnAlaValArgCysSerAlaGlyIleThrGlyThrAsnValValLysLysCys 200
QY 625 CAGGAGGAGGAGCTGTTTACACCAAAAGATGCACATCAATAAAGTAAACAGAGCTCTATGAA 684
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QY 865 GACTTTTAAAGAAACCACTCTATGACAAACACAGCCACCAAAATCCCACTTCTCATGTCG 924
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925 CAGATTGGACAAAGAAATTTGTGTCTTGTAGTCTCTTGAACAAATCTGGAAGCATGCCGACTGT 984
301 GlnIleGlyGlnArgIleValCysLeuValLeuAspLysSerGlySerMetAlaThrGly 320
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321 AsnArgLeuAsnArgLeuAsnGlnAlaGlyGlnLeuPheLeuLeuGlnThrValGluLeu 340
1045 GGGTCTGGGTGGATGCTGACATTTGACAGTGTGCTGCCCATGTACAAAGTGAACATCATA 1104
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361 GlnIleAsnSerGlySerAspArgAspThrLeuAlaLysArgLeuProAlaAlaSer 380
1165 GGAGGAGCTCCATCTGAGCGGGCTTCGATCGGCATTTACTGTGATTAGGAAGAAATAT 1224
381 GlyGlyThrSerIleCysSerGlyLeuArgSerAlaPheThrValIleArgLysLysTyr 400
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401 ProThrAspGlySerGluIleValLeuLeuThrAspGlyGluAspAsnThrIleSerGly 420
1285 TGCTTTAACGAGGTCAAAACAAAGTGTGCTCCATCATCCACAGTGCCTTTGGGGCCCTCT 1344
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1585 ACCTGGACAGCAGCGCTCCCAAAATCTCTCTGGGATCCCGAGTGGGAGCAGAACAGT 1644
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1645 GSCTTTGTAGTGGACAAAACACCAAAATGGCTTACCTCCAAATCCCGAGCATTTGCTAAG 1704
541 GlyPheValValAspLysAsnThrLysMetAlaTyrLeuGlnIleProGlyIleAlaLys 560
1705 GTTGGCACTTGGAAATACAGTCTGCAAGCAAGCTCACAACACCTTCACCTGACTGTACG 1764
561 ValGlyThrTrpLysTyrSerLeuGlnAlaSerSerGlnThrLeuThrLeuThrValThr 580
1765 TCCCTGGCTCAATGCTACCTGCTGCTCAATTCAGTGAATTCCTCAAAAACAGCAAGGAC 1824
581 SerArgAlaSerAsnAlaThrLeuProIleThrValThrSerLysThrAsnLysAsp 600
1825 ACCAGCAATTCGCCAGCGCTCTGCTAGTTTATGAAATATTCGCAAGAGGACCTCCCCA 1884
601 ThrSerLysPheProSerProLeuValValTyrAlaAsnIleArgGlnGlyAlaSerPro 620
1885 ATTCTCAGGGCCAGTGTCCACAGCCCTGATGTAATCAGTGAATGGAAACACAGTTACCTTG 1944
621 IleLeuArgAlaSerValThrAlaLeuIleGluSerValAsnGlyLysThrValThrLeu 640
1945 GAATCTACTGATTAATGGAGCAGGCTGCTGATGCTACTACTAGGATGACGGTGTCTCTCAAG 2004
641 GluLeuLeuAspAsnGlyAlaGlyAlaAspAlaThrLysAspAspGlyValTyrSerArg 660
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DB 301 GlnIleGlyGlnArgIleValCysLeuValLeuAspLysSerGlySerMetAlaThrGly 320
QY 985 AACCCCTCAATTCGACTGAATCAAGCAGGCCAGCTTTTCTGCTCAGACAGCTTGAGCTG 1044
DB 321 AsnArgLeuAsnArgLeuAsnGlnAlaGlyGlnLeuPheLeuLeuGlnThrValGluLeu 340
QY 1045 GGGTCTGGGTGGATGCTGACATTTGACAGTGTGCTGCCCATGTACAAAGTGAACATCATA 1104
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Qy	2185	GTTCAACACAAAGCAAGTGTGTTTCAGCAGAACATCTCCGAGGCTCATTTGTGGCTTCT	2244
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Qy	2245	GATGTCCCAAAATGCTCCCATACCTGATCTCTTCCACAGCTGGCCMAATCACCGACCTGAAG	2304
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RESULT 6

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US-10-235-994-26
; Sequence 26, Application US/10235994
; Publication No. US20030101002A1
; GENERAL INFORMATION:
; APPLICANT: Bartha, Gabor
; APPLICANT: Walker, Michael
; TITLE OF INVENTION: METHODS FOR ANALYZING GENE EXPRESSION PATTERNS
; FILE REFERENCE: ICYTP012
; CURRENT APPLICATION NUMBER: US/10/235,994
; CURRENT FILING DATE: 2002-09-04
; PRIOR APPLICATION NUMBER: US/10/003,608
; PRIOR FILING DATE: 2001-11-01
; PRIOR APPLICATION NUMBER: 60/245,081
; PRIOR FILING DATE: 2000-11-01
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 26
; LENGTH: 914
; TYPE: PRT

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QY 985 AACCGCTCAATCGACTGAATCAGCAGCCAGCTTTTCTCTCTGCGACAGATTGAGCTG 1044
DB 321 AsnArgLeuAsnArgLeuAsnGlnAlaGlyGlnLeuPheLeuLeuGlnThrValGluLeu 340
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DB 341 GlySerTrpValGlyMetValThrPheAspSerAlaAlaHisValGlnSerGluLeuile 360
QY 1105 CAGATAAAACAGTGGCAGTGCACAGGACACATCTGCCAAAAGATTACCTGCGACAGCTTCA 1164
DB 361 GlnileAsnSerGlySerAspArgAspThrLeuAlaLysArgLeuProAlaAlaLaser 380
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DB 381 GlyGlyThrSerIleCysSerGlyLeuArgSerAlaPheThrValIleArgLysIstyr 400
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DB 401 ProThrAspGlySerGluileValLeuLeuThrAspGlyGluAspAsnThrIleSerGly 420
QY 1285 TGCCTTTAACGAGGTCAAAACAAAGTGTGCTCATCTCACACAGTCTGCTTTGGGGCCCTCT 1344
DB 421 CysPheAsnGluValLysGlnSerGlyAlaIleIleHisThrValAlaLeuGlyProSer 440
QY 1345 GCAGCTCAAGAACTAGAGAGCTGTCCAAAATGACAGAGGTTTACAGACATATGCTTCA 1404
DB 441 AlaAlaGlnGluLeuGluGluLeuSerLysMetThrGlyGlyLeuGlnThrTyrAlaser 460
QY 1405 GATCAAGTTTCAGAACTGGCTCTGATGCTTTTGGGGCCCTTTCATCAGGAATGGA 1464
DB 461 AspGlnValGlnAsnAsnGlyLeuileAspAlaPheGlyAlaLeuSerSerGlyAsnGly 480
QY 1465 GCTGTCTCTCAGCGCTCCATCCAGCTTGAGAGTAAGGATTAACCTCCAGAACAGCCAG 1524
DB 481 AlaValSerGlnArgSerIleGlnLeuGluSerLysGlyLeuThrLeuGlnAsnSerGln 500
QY 1525 TCGATGAATGGCACAGTGTCTGGACACACCGTGGGAAAGACACTTTGTTCTTATC 1584
DB 501 TrpMetAsnGlyThrValIleValAspSerThrValGlyLysAspThrLeuPheLeuile 520
QY 1585 ACCTGGACACACCGCTCCCAATCTCTCTGGATCCAGTCCAGTGGACAGAGCAAGT 1644
DB 521 ThrTrpThrGlnProGlnProGlnIleLeuLeuTrpAspProSerGlyGlnLysGlnGly 540
QY 1645 GGTCTTGTAGTGACAAAAACCAAAATGGCTACTCTCCAAATCCAGGCATTGCTAAG 1704
DB 541 GlyPheValValAspLysAsnThrLysMetAlaTyrLeuGlnIleProGlyIleAlaLys 560
QY 1705 GTTGGCACTTGGAAATACAGTCTGCAAGCAAGTCAAAACCTTGACCTGACTGTACG 1764
DB 561 ValGlyThrTrpLysIstyrSerLeuGlnAlaSerSerGlnThrLeuThrLeuThrValThr 580
QY 1765 TCCGTGCTCCAAATGCTACCTCCCTCCAAATACAGTCACTTCCAAACGACAGAGNAC 1824
DB 581 SerArgAlaSerAsnAlaThrLeuProIleThrValThrSerLysThrAsnLysAsp 600
QY 1825 ACCAGCAAAATCCCAAGCCCTCTGGTAGTATTGCAAAATATTCGCAAGAGCCCTCCCA 1884
DB 601 ThrSerLysPheProSerProLeuValValTyrAlaAsnIleArgGlnGlyAlaSerPro 620
QY 1885 ATTCTCAGGGCCAGTGTCTACGCCCTTGATGAATCAAGTGAATGGAACACATTTACCTTG 1944
DB 621 IleLeuArgAlaSerValThrAlaLeuIleGluSerValAsnGlyLysThrValThrLeu 640
QY 1945 GAACTACTCGAATAGGACAGGTCTGATGCTACTTAAGGATCAGCGTCTCTACTCAAGG 2004
DB 641 GluLeuLeuAspAsnGlyAlaGlyAlaAspAlaThrLysAspAspGlyValTyrSerArg 660
QY 2005 TATTTTCAAACTTATGACACGAATGCTAGTACAGTGTAAAAAGTGGGGCTCTGGAGGA 2064

DB 661 TyrPheThrThrTyrAspThrAsnGlyArgTyrSerValLysValArgAlaLeuGlyGly 680
QY 2065 GTTAACGCGACGACGAGAGTGTATACCCAGCAGAGTGGAGCAGCTGTACATACCTGCG 2124
DB 681 ValAsnAlaAlaArgArgArgValIleProGlnGlnSerGlyAlaLeuTyrIleProGly 700
QY 2125 TGGATTGAGAATGATGAATAACAATGAATCCACCAAGACCTGAAATTAATAAGGATGAT 2184
DB 701 TrpIleGluAsnAspGluileGlnTrpAsnProProArgProGluileAsnLysAspAsp 720
QY 2185 GTTCAACCAAGCAAGTGTGTTTCAGCAGACATCTCTCGGAGGCTCATTTGTGCGTCT 2244
DB 721 ValGlnHisLysGlnValCysPheSerArgThrSerSerGlySerPheValAlaser 740
QY 2245 GATGTCCCAATGTCTCCATACCTGATCTCTCCACCTGGCCAAATCACCACCTGAG 2304
DB 741 AspValProAsnAlaProIleProAspLeuPheProGlyGlnIleThrAspLeuLys 760
QY 2305 GCGGAAATTCACGGGGCAGTCTCATTAATCTGACTTGGACAGCTCTGGGGATGATTAT 2364
DB 761 AlaGluileHisGlyGlySerLeuileAsnLeuThrTrpThrAlaProGlyAspAspTyr 780
QY 2365 GACCATGGAACAGCTCACAAGTATATCATTCGAATAGTACAGTATTCTTGTATCTCAGA 2424
DB 781 AspHisGlyThrAlaHisLysTyrIleIleArgIleSerThrSerIleLeuAspLeuArg 800
QY 2425 GACAGTTCAATGATCTCTCAAGTGAATACTCTGCTCATCCCAAGAGAACCCAC 2484
DB 801 AspLysPheAsnGluSerLeuGlnValAsnThrThrAlaLeuileProLysGluAlaAsn 820
QY 2485 TCTGAGGAAGTCTTTTCTTTTAAACACAGAAAACATTACTTTTGAATAATGGCACAGATCTT 2544
DB 821 SerGluGluValPheLeuPheLysProGluAsnIleThrPheGluAsnGlyThrAspLeu 840
QY 2545 TTCATTGCTATTTCAGGCTGTGTGATAAGTTCGATCTGAAATCAGAAATATCCAACTTGA 2604
DB 841 PheIleAlaIleGlnAlaValAspLysValAspLeuLysSerGluIleSerAsnIleAla 860
QY 2605 CGAGTATCTTTGTTTATTTCTCCACAGACTCCGCCAGACACACTAGTCTCTGATGAAAG 2664
DB 861 ArgValSerLeuPheIleProProGlnThrProProGluThrProSerProAspGluThr 880
QY 2665 TCTGCTCTCTGCTTAATATTATCAACAGCACCATTCCTGGCATTTCACATTTTAAAA 2724
DB 881 SerAlaProCysProAsnIleHisIleAsnSerThrIleProGlyIleHisIleLeuLys 900
QY 2725 ATTATGTGGAAGTGGATAGGAACTGCAGCTGTCAATAGCC 2766
DB 901 IleMetTrpLysTrpIleGlyGluLeuGlnLeuSerIleAla 914

RESULT 7

US-10-060-255-42
; Sequence 42, Application US/10060255
; Publication No. US20030113840A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 25 Human secreted proteins
; FILE REFERENCE: PZ042PI
; CURRENT APPLICATION NUMBER: US/10/060,255
; CURRENT FILING DATE: 2002-02-01
; PRIOR APPLICATION NUMBER: 09/781,417
; PRIOR FILING DATE: 2001-02-13
; PRIOR APPLICATION NUMBER: PCT/US00/22325
; PRIOR FILING DATE: 2000-08-16
; PRIOR APPLICATION NUMBER: 60/149,182
; PRIOR FILING DATE: 1999-08-17
; NUMBER OF SEQ ID NOS: 86
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 42
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens


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Db 661 TyrPheThrThrTyrAspThrAsnGlyArgTyrSerValLysValArgAlaLeuGlyGly 680
QY 2065 GTTAACGACGACGAGCGAGTGTATACCCAGCAGAGTGGAGCAGCTGTACATACCTGCG 2124
Db 681 ValAsnAlaAlaArgArgValIleProGlnSerGlyAlaLeuTyrIleProGly 700
QY 2125 TGGATTGAGATGATGAATACAAATGGAATCCACCAAGACCTGAAATTAATGAAGATGAT 2184
Db 701 TrpIleGluAsnAspGluIleGlnTrpAsnProProArgProGluIleAsnLysAspAsp 720
QY 2185 GTTCAACAACAAGAGTGTGTTTCAGCAGACAATCTCCGGAGGCTCATTTGTGGCTTCT 2244
Db 721 ValGlnHisLysGlnValCysPheSerArgThrSerSerGlyGlySerPheValAlaSer 740
QY 2245 GATGTCCCAAAATGCTCCCACTACCTGATCTCTCCACCTGGCCAAATACACCGACCTGAG 2304
Db 741 AspValProAsnAlaProIleProAspLeuPheProGlyGlnIleThrAspLeuLys 760
QY 2305 GCGGAAATTCAGGGGCGAGTCTCATTAATCTGACTTGGACAGCTCCTGGGATGATTAT 2364
Db 761 AlaGluIleHisGlySerLeuIleAsnLeuThrTrpThrAlaProGlyAspAspTyr 780
QY 2365 GACCATGGAACAGCTCACAGTATATCATTCGAATAGTACAGTATCTTGTATCTCAGA 2424
Db 781 AspHisGlyThrAlaHisLysTyrIleIleArgIleSerThrSerIleLeuAspLeuArg 800
QY 2425 GACAGTTCAATGAATCTCTCAAGTGAATACCTACTCTCTCATCCCAAGGAGCCACAC 2484
Db 801 AspLysPheAsnGluSerLeuGlnValAsnThrThrAlaLeuIleProLysGluAlaAsn 820
QY 2485 TCTGAGAGAGTCTTTTGTGTTTAAACAGAAACATTAATCTTTGAAATGGCACAGATCT 2544
Db 821 SerGluGluValPheLeuPheLysProGluAsnIleThrPheGluAsnGlyThrAspLeu 840
QY 2545 TTCATTGCTATTACAGCTCTTGAATAGTTCGATCTGAAATCAGAAATATCCAACTTGA 2604
Db 841 PheIleAlaIleGlnAlaValAspLysValAspLeuLysSerGluIleSerAsnIleAla 860
QY 2605 CGAGTATCTTTGTTTATCTCCACAGACTCCGCGACAGACCTAGTCTCATGAAAG 2664
Db 861 ArgValSerLeuPheIleProGlnThrProProGluThrProSerProAspGluThr 880
QY 2665 TCTGCTCCTGTGCTTAATATCATACACAGCACCATTCTCTGGCATTACATTTTAAAA 2724
Db 881 SerAlaProCysProAsnIleHisIleAsnSerThrIleProGlyIleHisIleLeuLys 900
QY 2725 ATTATGTGAAGTGGATAGAGAACTGCGAGCTGTCAATAGCC 2766
Db 901 IleMetTrpLysTrpIleGlyGluLeuGlnLeuSerIleAla 914
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RESULT 8

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US-09-922-217-1066
; Sequence 1066, Application US/09922217
; Patent No. US20020076414A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather
; APPLICANT: Benson, Darin R.
; APPLICANT: Meagher, Madeleine Joy
; APPLICANT: Stolk, John A.
; APPLICANT: Wang, Tongtong
; APPLICANT: Jiang, Xuqiu
; APPLICANT: Smith, Carole Lynn
; APPLICANT: King, Gordon E.
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSTICS
; FILE OF INVENTION: OF COLON CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.471C13
; CURRENT APPLICATION NUMBER: US/09/922,217
; CURRENT FILING DATE: 2001-08-03
; NUMBER OF SEQ ID NOS: 1124
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; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1066
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-922-217-1066

Alignment Scores:
Pred. No.: 0 Length: 914
Score: 4756.00 Matches: 913
Percent Similarity: 100.00% Conservative: 1
Best Local Similarity: 99.89% Mismatches: 0
Query Match: 88.40% Indels: 0
DB: 9 Gaps: 0
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US-09-049-696-20 (1-2983) x US-09-922-217-1066 (1-914)

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QY 25 ATGGGGCCATTAAAGAGTTCTGTGTTCATCTTGATTTCTACCTTCTAGAGGGCCCTG 84
Db 1 MetGlyProPheLysSerSerValPheIleLeuIleLeuHisLeuLeuGluGlyAlaLeu 20
QY 85 AGTAATTCACCTCATTACAGCTGAACACAAATGGCTATGAGGCATTTGTCGTTCAATCGAC 144
Db 21 SerAsnSerLeuIleGlnLeuAsnAsnGlyTyrGluGlyIleValValAlaIleAsp 40
QY 145 CCCAATGTGCCAGAGATGAACACTCATTCACAAATAAAGGACATGGTGACCCAGGCA 204
Db 41 ProAsnValProGluAspGluThrLeuIleGlnIleLysAspMetValThrGlnAla 60
QY 205 TCTCTGTATCTGTTGAAAGCTACAGGAAAGCGATTTTATTTTCAAAAATGTTGCCATTTTG 264
Db 61 SerLeuTyrLeuPheGluAlaThrGlyLysArgPheTyrPheLysAsnValAlaIleLeu 80
QY 265 ATTCTGAAACATGGAACAAAGCTGACTATGTGACACCAAACTTGAGACCTTACAAA 324
Db 81 IleProGluThrTrpLysThrLysAlaAspTyrValArgProLysLeuGluThrTyrLys 100
QY 325 AATGCTGATGTTCTGTTGCTGAGTCTACTCTCCAGGTAAATGATGAACCCCTACACTGAG 384
Db 101 AsnAlaAspValLeuValAlaGluSerThrProProGlyAsnAspGluProTyrThrGlu 120
QY 385 CAGATGGGCAACTGTGGAGAGAAGGTGAAAGGATCCACCTCACCTGATTTCAATGCA 444
Db 121 GlnMetGlyAsnCysGlyGluLysGlyIleGluArgIleHisLeuThrProAspPheIleAla 140
QY 445 CGAAAAAGTTAGCTGAATATGGACCACCAAGTAGGCGCATTTGTCCATGAGTGGCTCAT 504
Db 141 GlyLysLysLeuAlaGluTyrGlyProGlnGlyLysAlaPheValHisIleTrpAlaHis 160
QY 505 CTACGATGGGAGTATTTGACGAGTACAAATATGATGAGAAATTTCTATTATCCCAATGGA 564
Db 161 LeuArgTrpGlyValPheAspGluTyrAsnAsnAspGluLysPheTyrLeuSerAsnGly 180
QY 565 AGAATACAAGCAGTAAAGTGTTCAGCAGGTATTTACTGGTACAAATGTAGTAAGAAGTGT 624
Db 181 ArgIleGlnAlaValArgCysSerAlaGlyIleThrGlyThrAsnValValLysLysCys 200
QY 625 CAGGAGGCAGCTGTTTACCAAAAGATGCACATTCATTAAGTAACAGGACTCTATGAA 684
Db 201 GlnGlyGlySerCysTyrThrLysArgCysThrPheAsnLysValThrGlyLeuTyrGlu 220
QY 685 AAAGGATGTGAGTTTGTCTCCAATCCCGCAGACGGAGAGGCTTCTATATATGTTTGA 744
Db 221 LysGlyCysGluPheValLeuGlnSerArgGlnThrGluLysAlaSerIleIleThrPheAla 240
QY 745 CAACATGTTGATTTCTATAGTTGAATTTCTGTACAGAACAAAAACCAACAAGAGCTTCA 804
Db 241 GlnHisValAspSerIleValGluPheCysThrGluGlnAsnHisAsnLysGluAlaPro 260
QY 805 AACAGCAAAATCAAAAATGCAATCTCCGAGCACATGGGAGTGTATCGGTGATTTCTGAG 864
Db 261 AsnLysGlnAsnGlnLysCysAsnLeuArgSerThrTrpGluValIleArgAspSerGlu 280
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865 QY GACTTTAAGAAACCACTCTCTATGACACACACAGCCACCAAAATCCCACTTCTCATTTGCTG 924
281 Db AspPheLeuThrThrProMetThrThrGlnProAsnProThrPheSerLeuLeu 300
925 QY CAGATTGGACAAGAAATCTGTGTTAGTCTTGACAAATCTGGAAGCATGGCTGTGT 984
301 Db GlnIleGlyGlnArgIleValCysLeuValLeuAspLysSerGlySerMetAlaThrGly 320
985 QY AACCCGCTCAATCGACTGAATCAAGCAGCCAGCTTTTCTGCTGCAGACAGTTGAGCTG 1044
321 Db AsnArgLeuAsnArgLeuAsnGlnAlaGlyGlnLeuPheLeuLeuGlnThrValGluLeu 340
1045 QY GGGTCTCGGTGGAGTGTGACATTTGACAGTGTGCCCATGTACAAAGTGAAGTACATA 1104
341 Db GlySerTrpValGlyMetValThrPheAspSerAlaAlaHisValGlnSerGluLeuIle 360
1105 QY CAGATAAACAGTGGCAGTCACAGGACACACTCGCCAAAAGATTACTCGCAGCAGCTTCA 1164
361 Db GlnIleAsnSerGlySerAspArgAspThrLeuAlaLysArgLeuProAlaAlaSer 380
1165 QY GGAGGACGCTCCATCTGCAGCGGGCTTCGATCGGCATTTTACTGTGATTAGGAAGAAATAT 1224
381 Db GlyGlyThrSerIleCysSerGlyLeuArgSerAlaPheThrValIleArgLysLysTyr 400
1225 QY CCACTGATGGATCTCAAAATGTGCTGTCGACGGATGGGAGACAACTATAAGTGG 1284
401 Db ProThrAspGlySerGluIleValLeuLeuThrAspGlyGluAspAsnThrIleSerGly 420
1285 QY TGCCTTTAAGAGGTCAAAAGTGTGCCATCATCCACAGCTCGCTTTGGGGCCCTCT 1344
421 Db CysPheAsnGluValLysGlnSerGlyAlaIleIleHisThrValAlaLeuGlyProSer 440
1345 QY GCAGCTCAAGAACTAGAGGAGCTGTCCAAAATGACAGGAGGTTTACAGACATATGCTTCA 1404
441 Db AlaAlaGlnGluLeuGluGluLeuSerLysMetThrGlyGlyLeuGlnThrTyrAlaSer 460
1405 QY GATCAAGTTCAAGAACTAGGCTCATGTATGCTTTTGGGGCCCTTTCATCAGGAATGGA 1464
461 Db AspGlnValGlnAsnAsnGlyLeuIleAspAlaPheGlyAlaLeuSerSerGlyAsnGly 480
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481 Db AlaValSerGlnArgSerIleGlnLeuGluSerLysGlyLeuThrLeuGlnAsnSerGln 500
1525 QY TGGATGAATGGCAGCTGATCTGTGGACAGCACCGTGGGAAGGACACTTTGTTTCTTATC 1584
501 Db TrpMetAsnGlyThrValIleValAspSerThrValGlyLysAspThrLeuPheLeuIle 520
1585 QY ACTGACAAACGAGCTCCCAAAATCTCTTCTGGGATCCCAAGTGGACAGAAAGCAAGT 1644
521 Db ThrTrpThrThrGlnProGlnIleLeuLeuTrpAspProSerGlyGlnLysGlnGly 540
1645 QY GCGTTTGTAGTGACAAAACCAAAATCGCTTACTCCAAATCCAGGCAATGCTTAAAG 1704
541 Db GlyPheValValAspLysAsnThrLysMetAlaTyrLeuGlnIleProGlyIleAlaLys 560
1705 QY GTTGGCATTGGAAATACAGTCTGCAAGCAAGCTCAAAACCTTGACCTGACTGTCAAG 1764
561 Db ValGlyThrTriplysThrSerLeuGlnAlaSerSerGlnThrLeuThrLeuThrValThr 580
1765 QY TCCGTGCTGCTCAATGCTACCTGCTCCAAATPACAGTACTTCCAAAACGACAAAGGAC 1824
581 Db SerArgAlaSerAsnAlaThrLeuProIleThrValThrSerLysThrAsnLysAsp 600
1825 QY ACCAGCAATTCGCCAGCTCTGCTGAGTTTATGCAAAATTCGCCAAGGAGCTCCCA 1884
601 Db ThrSerLysPheProSerProLeuValValTyrAlaAsnIleArgGlnGlyAlaSerPro 620
1885 QY ATTCTCAGGCGCAGTGTCAAGCCCTGATTGAATCAGTGAATGGAAGAAACAGTTACTTGG 1944
621 Db IleLeuArgAlaSerValThrAlaLeuIleGluSerValAsnGlyLysThrValThrLeu 640
1945 QY GAACTACTGGATAATGGACGGTGTGCTGCTACTAAGGATGACGGTGTCTACTCAAGG 2004

641 Db GluLeuLeuAspAsnGlyAlaGlyAlaAspAlaThrLysAspAspGlyValTyrSerArg 660
2005 QY TATTTTCAACAATTTATGACACGAATGTAGATACAGTGTAAAAAGTCGGGCTCTGGGAGGA 2064
661 Db TyrPheThrThrTyrAspThrAsnGlyArgTyrSerValLysValArgAlaLeuGlyGly 680
2065 QY GTTAACGACGACGAGCGAGAGTGATACCCAGCAGAGTGAGGACACTGTACATACCTGGC 2124
681 Db ValAsnAlaAlaArgArgValIleProGlnGlnSerGlyAlaLeuTyrIleProGly 700
2125 QY TCGATTGCAATGATCAAAATACAATCGAATCCACCAAGACCTGAAATTAATTAAGGATGAT 2184
701 Db TrpIleGluAsnAspGluIleGlnTrpAsnProArgProGluIleAsnLysAspAsp 720
2185 QY GTTCAACAACAAGCAAGTGTGTTTCAGCAGAAACATCTCCGGAGGCTCATTTTGGGCTTCT 2244
721 Db ValGlnHisLysGlnValCysPheSerArgThrSerSerGlyGlySerPheValAlaSer 740
2245 QY GATGTCCTCCAAATGCTCCCATACCTGATCTCTCCACCTGGCCAAATACCCGACCTGAAG 2304
741 Db AspValProAsnAlaProIleProAspLeuPheProGlyGlnIleThrAspLeuLys 760
2305 QY GCGGAAATTCACGGGGCAGTCTCTAATCTGACTTGGACAGCTCCTGGGATGATTAT 2364
761 Db AlaGluIleHisGlyGlySerLeuIleAsnLeuThrTrpThrAlaProGlyAspAspTyr 780
2365 QY GACCATGGAAACAGCTCACAAAGTATATCATTCGAATTAAGTACAAAGTATCTTGTATCTCAGA 2424
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801 Db AspLysPheAsnGluSerLeuGlnValAsnThrThrAlaLeuIleProLysGluAlaAsn 820
2485 QY TCTGAGGAAGTCTTTTGTGTTTAAACAGAAACATTTACTTTTGAAATGCAACATTTGCA 2544
821 Db SerGluGluValPheLeuPheLysProGluAsnIleThrPheGluAsnGlyThrAspLeu 840
2545 QY TTCATTGTCTATTTCAGGCTGTGTATAGTTCGATCTCAAAATCAGAAATATCAACATTTGCA 2604
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2665 QY TCTGCTCTCTGCTTCAATATTCATATCAACAGCACCATTCTCTGGCATTTCATTTTAAAA 2724
881 Db SerAlaProCysProAsnIleHisIleAsnSerThrIleProGlyIleHisIleLeuLys 900
2725 QY ATTATGTGAAGTGGATAGGAACTGCAGCTGTCTCAATAGCC 2766
901 Db IleMetTrpLysTrpIleGlyGluLeuGlnLeuSerIleAla 914

RESULT 9
US-09-833-263-1066
; Sequence 1066, Application US/09833263
; Patent No. US20020110547A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; APPLICANT: Stolk, John A.
; APPLICANT: Meagher, Madeleine J.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF COLON CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.471C12
; CURRENT APPLICATION NUMBER: US/09/833,263
; CURRENT FILING DATE: 2001-04-10
; NUMBER OF SEQ ID NOS: 1093
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1066
; LENGTH: 914

TYPE: PRT
ORGANISM: Homo sapiens
US-09-833-263-1066

Alignment Scores:
Pred. No.: 0 Length: 914
Score: 4756.00 Matches: 913
Percent Similarity: 100.00% Conservative: 1
Best Local Similarity: 99.89% Mismatches: 0
Query Match: 88.40% Indels: 0
DB: 9 Gaps: 0

US-09-049-696-20 (1-2983) x US-09-833-263-1066 (1-914)

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QY	85	AGTAATTCATCTCATTGAGCTGAAACAAATGCTATGAAGGCATTGCTGTCGAATCGAC	144
DB	21	SerAsnSerLeuIleGlnLeuAsnAsnGlyTyrGluGlyIleValValAlaIleAsp	40
QY	145	CCCAATGTCCCAAGATGAACACTATTCAACAAATAAAGACATGTCACCCAGCA	204
DB	41	ProAsnValProGluAspGluThrLeuIleGlnIleLysAspMetValThrGlnAla	60
QY	205	TCTCTGTATCTGTTGAAGCTACAGAAAGCGATTATTATTTCAAAAATGTTGCCATTG	264
DB	61	SerLeuTyrLeuPheGluAlaThrGlyLysArgPheTyrPheLysAsnValAlaIleLeu	80
QY	265	ATTCTGAAACATGAAGACAAAGGCTGACTATGTGAGACCAAACTTGAGACCTTACMAA	324
DB	81	IleProGluThrTyrLysThrLysAlaAspTyrValArgProLysLeuGluThrTyrLys	100
QY	325	AATGCTGATGTTCTGCTGCTGAGTCTACTCTCCAGGTAATGATCAACCCCTACACTGAG	384
DB	101	AsnAlaAspValLeuValAlaGluSerThrProProGlyAsnAspGluProTyrThrGlu	120
QY	385	CAGATGGGCAACTGTGGAGAGAGGGTGAAGGATCCACCTCACTCTGATTTCAATGCA	444
DB	121	GlnMetGlyAsnCysGlyGluLysGlyGluArgIleHisLeuThrProAspPheIleAla	140
QY	445	GGAAAAAGTGTAGCTGAATATGACACCAAGGTAGGGCAATTTGTCATGAGTGGGCTCAT	504
DB	141	GlyLysLysLeuAlaGluTyrGlyProGlnGlyLysAlaPheValHisGluTyrAlaHis	160
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QY	565	AGAATACAGCAGTAAGATGTTCCAGCAGTATTTACTGTTACAAATGTAGTAAGAAGTGT	624
DB	181	ArgIleGlnAlaValArgCysSerAlaGlyIleThrGlyThrAsnValLysLysCys	200
QY	625	CAGGAGGAGCTGTTTACACCAAAAGATGCACATTCAATAAAGTAACAGGACTCTATGAA	684
DB	201	GlnGlyLysCysTyrThrLysArgCysThrPheAsnLysValThrGlyLeuTyrGlu	220
QY	685	AAAGGATGTGAGTTTGTCTCCAAATCCCGCCAGACGAGAGGCTTCTATAATGTTTGA	744
DB	221	LysGlyCysGluPheValLeuGlnSerArgGlnThrGluLysAlaSerIleMetPheAla	240
QY	745	CAACATGTTGATTTCTAGTTGATTTCTGTACAGAACAAACACCAACAAAGAGCTCCA	804
DB	241	GlnHisValAspSerIleValGluPheCysThrGluGlnAsnHisAsnLysGluAlaPro	260
QY	805	AACAAGCAAAATCAAAATGCAATCTCCGAGCACATGGGCAAGTGCCTGATTTCTGAG	864
DB	261	AsnLysGlnAsnGlnLysCysAsnLeuArgSerThrTyrGluValIleArgAspSerGlu	280
QY	865	GACTTTAAGAAACCACTCTATGACACACAGCCACCAAAATCCCACTTCTCATTTG	924
DB	281	AspPheLysLysThrThrProMetThrThrGlnProProAsnProThrPheSerLeuLeu	300

QY	925	CAGATTGGACAAAGAAATTTGTGTGTTAGTCTCTTGACAAATCTGGAAGCATGCGACTG	984
DB	301	GlnIleGlyGlnArgIleValCysLeuValLeuAspLysSerGlySerMetAlaThrGly	320
QY	985	AACGCGCTCAATCGACTGAATCAAGCAGCCAGCTTTTCTGCTCGACACATTTGAGCTG	1044
DB	321	AsnArgLeuAsnArgLeuAsnGlnAlaGlyGlnLeuPheLeuLeuGlnThrValGluLeu	340
QY	1045	GGTCTCTGGTGGATGCTGACATTTGACAGTGTGCTGCCCATGTACAAAGTGAACCTATA	1104
DB	341	GlySerTyrValGlyMetValThrPheAspSerAlaAlaHisValGlnSerGluLeuIle	360
QY	1105	CAGATAAAACAGTGGCAGTGACAGGACACACTCGCCAAAGATTTACCTGACAGCTTCA	1164
DB	361	GlnIleAsnSerGlySerAspArgAspThrLeuAlaLysArgLeuProAlaAlaAsp	380
QY	1165	GGAGGACGTCATCTGACGCGGCTTCGATCGGCATTTACTGTGATTAGGAAGAAATAT	1224
DB	381	GlyGlyThrSerIleCysSerGlyLeuArgSerAlaPheThrValIleArgLysLysTyr	400
QY	1225	CCAATGATGATCTGAATTTGCTGCTGACGAGTGGGGAAGACACACTATATAGTGGG	1284
DB	401	ProThrAspGlySerGluIleValLeuLeuThrAspGlyGluAspAsnThrIleSerGly	420
QY	1285	TGCTTTAAACGAGGTCAAAACAAAGTGTGCTCCATCATCCACAGTCGCTTTGGGCGCTCT	1344
DB	421	CysPheAsnGluValLysGlnSerGlyAlaIleIleHisThrValAlaLeuGlyProSer	440
QY	1345	GCAGTCAAGAACTAGAGGAGCTGTCCAAATATGACAGGAGTTTACAGACATATCTTCA	1404
DB	441	AlaAlaGlnLeuGluLeuSerLysMetThrGlyGlyLeuGlnThrTyrAlaSer	460
QY	1405	GATCAAGTTTCAACAATGGCTCATTTGATGCTTTTGGGCGCTTTCATCAGGAATGGA	1464
DB	461	AspGlnValGlnAsnAsnGlyLeuIleAspAlaPheGlyAlaLeuSerSerGlyAsnGly	480
QY	1465	GCTGTCTCTCAGCGCTCCATCCAGCTTGAGTAAGGATTAACCTCCAGAACAGCCAG	1524
DB	481	AlaValSerGlnArgSerIleGlnLeuGluSerLysGlyLeuThrLeuGlnAsnSerGln	500
QY	1525	TGGATGAATGGCACAGTGTGTCGACACACCGTGGGAAAGACACTTTGTTTCTTATC	1584
DB	501	TrpMetAsnGlyThrValIleValAspSerThrValGlyLysAspThrLeuPheLeuIle	520
QY	1585	ACCTGGACAAACGACGCTCCCAATCTCTCTGGATCCAGTGGGACAGAGCAAGT	1644
DB	521	ThrTyrThrThrGlnProGlnIleLeuLeuTyrAspProSerGlyGlnLysGlnGly	540
QY	1645	GGCTTTGTAGTGGACAAACACCAAAATGGCTACCTCCAAATCCAGGCATTTGCTAAG	1704
DB	541	GlyPheValValAspLysAsnThrLysMetAlaTyrLeuGlnIleProGlyIleAlaLys	560
QY	1705	GTTCGACTTGGAAATACAGTGTGCAAGCAAGCTCACAAACCTTGACCTGACTGTACG	1764
DB	561	ValGlyThrTyrLysTyrSerLeuGlnAlaSerSerGlnThrLeuThrLeuThrValThr	580
QY	1765	TCCGTGCGTCAATGCTACCTGCTCCAAATACAGTACACTTCCAAACAGCAAGGAC	1824
DB	581	SerArgAlaSerAsnAlaThrLeuProIleThrValThrSerLysThrAsnLysAsp	600
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DB	601	ThrSerLysPheProSerProLeuValValTyrAlaAsnIleArgGlnGlyAlaSerPro	620
QY	1885	ATTCTCAGGCGCGTGTACAGCCCTGATGATGAATCAGTCAATGGAAGAAACAGTTAC	1944
DB	621	IleLeuArgAlaSerValThrAlaLeuIleGluSerValAsnGlyLysThrValThrLeu	640
QY	1945	GAACTACTGATTAATGGAGCAGGCTGCTGATCTACTAAGGATGACGGTGTCTACTCAAG	2004
DB	641	GluLeuLeuAspAsnGlyAlaGlyAlaAspAlaThrLysAspAspGlyValTyrSerArg	660


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QY 2005 TATTTACAACTTATGACAGAAATGCTAGATACAGTGAAGTGGGCTCTGGAGGA 2064
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Db ValAenAlaAalArgArgValIleProGlnGlnSerGlyAlaLeuTyIleProGly 700
QY 2125 TGGATTGGAATGATGAATACAAATGGAATCCACCAAGACCTCAAAATTAATGAAGATGAT 2184
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QY 2185 GTTCAACACAGCAAGTGTGTTTACAGAGAAACATCTCCGGAGGCTCATTTGTGGCTTCT 2244
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QY 2305 GCGGAAATTCACGGGGCAGTCTCATTAATCTGACTTGGACAGCTCTCTGGGATGATTAT 2364
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QY 2365 GACCATGGAACAGCTCACAGTATATATCATTCGAATGAAGTACAGTATTTCTGATCTCAGA 2424
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QY 2605 CGAGTATCTTTCTTTATCTCCACAGCTCCGACAGACACCTAGTCTCTGATGAAGC 2664
Db ArgValSerLeuPheIleProGlnThrProProGluThrProSerProAspGluThr 880
QY 2665 TCTGCTCTCTGCTTAATATCATATCAACAGACCATTCCTGGCATTCACATTTTAAAA 2724
Db SerAlaProCysProAsnIleHisIleAsnSerThrIleProGlyIleHisIleLeuLys 900
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Db IleMetTrpLysTrpIleGlyGluLeuGlnLeuSerIleAla 914

RESULT 10
US-10-025-380-1066
; Sequence 1066, Application US/10025380
; Publication No. US20020182191A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather
; APPLICANT: Benson, Darin R.
; APPLICANT: Meagher, Madeleine Joy
; APPLICANT: Stolk, John A.
; APPLICANT: Wang, Tongtong
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Smith, Carole L.
; APPLICANT: King, Gordon E.
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; APPLICANT: Skeiky, Yasir A. W.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Vedwick Thomas S.
; APPLICANT: Carter, Darrick
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; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; TITLE OF INVENTION: OF COLON CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.471C14
; CURRENT APPLICATION NUMBER: US/10/025,380
; CURRENT FILING DATE: 2001-12-19
; NUMBER OF SEQ ID NOS: 1129
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1066
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-025-380-1066

Alignment Scores:
Pred. No.: 0 Length: 914
Score: 4756.00 Matches: 913
Percent Similarity: 100.00% Conservative: 1
Best Local Similarity: 99.89% Mismatches: 0
Indels: 0
Query Match: 88.40% Gaps: 0
DB: 13

US-09-049-696-20 (1-2983) x US-10-025-380-1066 (1-914)
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QY 85 AGTAATTCACTCATTCAGCTGAACCAACATGCTATGAAGGCAATGCTGTTGCAATCGAC 144
Db 21 SerAsnSerLeuIleGlnLeuAsnAsnGlyTyGluGlyIleValValAlaIleAsp 40
QY 145 CCCAATGTGCCAAGAAGTCAAACTCATTTCAACAAATAAAGGACATGTGACCCAGCA 204
Db 41 ProAsnValProGluAspGluThrLeuIleGlnIleLysAspMetValThrGlnAla 60
QY 205 TCTCTGTATCTGTTGAAGCTACAGAAAGCCATTTTATTTCAAAAATCTTGCCATTTTG 264
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QY 265 ATTCTGAAACATGAAGACAAAGGCTGACTATGTGAGACCAAACTTGAGACCTTACAAA 324
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QY 325 AATGCTGATGTTTCTGTTGCTGAGTCTACTCTCCAGGTAATGATGAACCCCTACACTGAG 384
Db 101 AsnAlaAspValLeuValAlaGluSerThrProProGlyAsnAspGluProTyThrGlu 120
QY 385 CAGATGGGCAACTGTGGAGAGAGGTTGAAGGATCCACCTCCTCCTGATTTTCATTGCA 444
Db 121 GlnMetGlyAsnCysGlyGluLysGlyGluArgIleHisLeuThrProAspPheIleAla 140
QY 445 GGAAAAAGTTAGCTGAATATGACCAAGGTAGGGCATTGTCCTCAGTGGGCTCAT 504
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QY 865 GACTTTAAAGAAACACCTCTATGACACACAGCCACCAAAATCCCACTTCTCATTTGCTG 924
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QY 925 CAGATTGGACAAGAAATGTGTGTGTAGTCTCTTGAACAAATCTGGAAGCATGCGCTGCT 984
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QY 985 RACCCGCTCAATCGACTGAATCAAGCAGCCAGCTTTCTCTGCTGCAGACAGTTCAGCTG 1044
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QY 1945 GAACCTACTGGATAATGGAGCAGGTGCTGATCTACTAAGGATGACGGTGTCTACTCAAGG 2004
Db 641 GluLeuLeuAspAsnGlyAlaGlyAlaAspAlaThrLysAspAspGlyValTyrSerArg 660
QY 2005 TATTTCACAACTTATGACACGAATGGTAGATACAGTGTAAAAGTGGGGCTCTGGGAGA 2064
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US-10-270-595-6
; Sequence 6, Application US/10270595
; Publication No. US20030078409A1
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/10/270,595
; CURRENT FILING DATE: 2002-10-16

PRIOR APPLICATION NUMBER: US/09/623,624
PRIOR FILING DATE: 2000-09-06
PRIOR APPLICATION NUMBER: PCT/US99/04703
PRIOR FILING DATE: 1999-03-03
PRIOR APPLICATION NUMBER: US 08/697,360
PRIOR FILING DATE: 1996-08-23
PRIOR APPLICATION NUMBER: US 08/697,419
PRIOR FILING DATE: 1996-08-23
PRIOR APPLICATION NUMBER: US 08/697,440
PRIOR FILING DATE: 1996-08-23
PRIOR APPLICATION NUMBER: US 08/697,471
PRIOR FILING DATE: 1996-08-23
PRIOR APPLICATION NUMBER: US 08/697,471
PRIOR FILING DATE: 1996-08-23
PRIOR APPLICATION NUMBER: US 08/697,472
PRIOR FILING DATE: 1996-08-23
PRIOR APPLICATION NUMBER: US 08/697,473
PRIOR FILING DATE: 1996-08-23
PRIOR APPLICATION NUMBER: US 08/702,105
PRIOR FILING DATE: 1996-08-23
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 18
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 6
LENGTH: 914
TYPE: PRT
ORGANISM: Homo sapiens
US-10-270-595-6

Alignment Scores:
Pred. No.: 0 Length: 914
Score: 4754.00 Matches: 913
Percent Similarity: 99.89% Conservative: 0
Best Local Similarity: 99.89% Mismatches: 1
Query Match: 88.36% Indels: 0
DB: 14 Gaps: 0

US-09-049-696-20 (1-2983) x US-10-270-595-6 (1-914)

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QY 505 CTACGATGGGAGTATTTGACGAGTACAATAATGATGAGAAATTTACTTTATCCATGGA 564

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QY 805 AACAGCAAAATCAAAAATGCAATCTCGAAGCAGATGGGAAGTGTCCGTGATTTCTGAG 864
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QY 1105 CAGATAAACAGTGGCAGTGACAGGGACACACTCGCCAAAGATTTACCTGCAGCAGCTTCA 1164
DB 361 GlnIleAsnSerGlySerAspArgAspThrLeuAlaLysArgLeuProAlaAlaSer 380
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DB 421 CysPheAsnGluValLysGlnSerGlyAlaIleIleHisThrValAlaLeuGlyProSer 440
QY 1345 GCAGTCAAGAACTAGAGAGCTGTCCAAAATGACAGGAGGTTTACAGACATATGCTTCA 1404
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DB 461 AspGlnValGlnAsnAsnGlyLeuIleAspAlaPheGlyAlaLeuSerSerGlyAsnGly 480
QY 1465 GCTGTCTCTCAGCGTCCATCCAGCTTGAGAGTAAAGGATTAACCTCCAGAACACCCAG 1524
DB 481 AlaValSerGlnArgSerIleGlnLeuGluSerLysGlyLeuThrLeuGlnAsnSerGln 500
QY 1525 TGGATCAATGGCAGTGTGATCTGTGACAGCAACGTTGGGGAAGACACTTTGTTCTTATC 1584
DB 501 TrpMetAsnGlyThrValIleValAspSerThrValGlyLysAspThrLeuPheLeuLeu 520
QY 1585 ACCTGGACACCGACGCTCCCAATCTTCTCTGGATCCCGAGTGGACAGAGCAAGCT 1644
DB 521 ThrTrpThrThrGlnProGlnIleLeuLeuLeuLeuLeuLeuLeuLeuLeuLeuLeuLeu 540

1645 GGCCTTTGTAGTCGACAAAAACACCAAAATGGCTTACCTCCAATCCAGGCAATTCCTAAG 1704
Db |||||||
541 GlyPheValValAspLysAsnThrLysMetAlaTyrLeuGlnLeuProGlyIleAlaLys 560
QY |||||||
1705 GTTGGCACTTGAAATACAGCTGCAAGCAAGCTCACAAACCTTGACCTGACTCTCAG 1764
Db |||||||
561 ValGlyThrTrpLysTyrSerLeuGlnAlaSerSerGlnThrLeuThrLeuThrValThr 580
QY |||||||
1765 TCCGTGGCTCAATGCTTACCTCGCTCCCAATACAGTACGACTTCCAAAACGACCAAGAC 1824
Db |||||||
581 SerArgAlaSerAsnAlaThrLeuProProlleThrValThrSerLysThrAsnLysAsp 600
QY |||||||
1825 ACCACAAATCCCGAGCCCTCGTGTATGATGCAATATTCGCAAGGACCTCCCA 1884
Db |||||||
601 ThrSerLysPheProSerProLeuValValTyrAlaAsnIleArgGlnGlyAlaSerPro 620
QY |||||||
1885 ATTCTCAGGGCCAGTGTCCACAGCCCTGATGATGAATCAGTGAATGGAAAAACATTACCTTG 1944
Db |||||||
621 IleLeuArgAlaSerValThrAlaLeuIleGluSerValAsnGlyLysThrValThrLeu 640
QY |||||||
1945 GAATCTGGATAATGGAGCAGGTGCTGATGCTACTAAGGATGAGGTGCTTACTCAAG 2004
Db |||||||
641 GluLeuLeuAspAsnGlyAlaGlyAlaAspAlaThrLysAspAspGlyValTyrSerArg 660
QY |||||||
2005 TATTTTCACAACTTATGACACGAATGATGATACAGTGTAAAGTGGGCTCTGGGAGA 2064
Db |||||||
661 TyrPheThrThrTyrAspThrAsnGlyArgTyrSerValLysValArgAlaLeuGlyGly 680
QY |||||||
2065 GTTAACGACGACGACGAGTGTATACCCACGAGAGTGGAGCTGTGTACATACCTGGC 2124
Db |||||||
681 ValAsnAlaAlaArgArgValIleProGlnGlnSerGlyAlaLeuTyrIleProGly 700
QY |||||||
2125 TGGATTGAGATGATGAATACAAATGGAATCCACCAAGCCTGAAATTAATGAATGAT 2184
Db |||||||
701 TrpIleGluAsnAspGluIleGlnTrpAsnProProArgProGluIleAsnLysAspAsp 720
QY |||||||
2185 GTTCAACACCAAGTGTGTTTCAGCAACATCTCGGAGGCTCATTTGTGCTCTCT 2244
Db |||||||
721 ValGlnHisLysGlnValCysPheSerArgThrSerSerGlyGlySerPheValAlaSer 740
QY |||||||
2245 GATGTCCCAAAATGCTCCCACTGATCTCTTCCACCTGGCCAAATCACCACCTGAAG 2304
Db |||||||
741 AspValProAsnAlaProIleProAspLeuPheProGlyGlnIleThrAspLeuLys 760
QY |||||||
2305 CGGAAATTCAGGGGGAGTCTCATTAATCTGACTTGGACAGCTCTCGGGATGATAT 2364
Db |||||||
761 AlaGluIleHisGlyGlySerLeuIleAsnLeuThrTrpThrAlaProGlyAspAspTyr 780
QY |||||||
2365 GACCATGGAACAGCTCACAGTATATCATTCGAATAAGTACAAGTATCTTCATCTCAGA 2424
Db |||||||
781 AspHisGlyThrAlaHisLysTyrIleIleArgIleSerThrSerIleLeuAspLeuArg 800
QY |||||||
2425 GACAAAGTTCAATGAATCTCTCAAGTGAATACTACTGCTCTCATCCCAAGGAGCCCAAC 2484
Db |||||||
801 AspLysPheAsnGluSerLeuGlnValAsnThrThrAlaLeuIleProLysGluAlaAsn 820
QY |||||||
2485 TCTGAGGAGTCTTTTGTGTTAAACACAGAAACATTACTTTGAAATGGGACAGATCTT 2544
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821 SerGluGluValPheLeuPheLysProGluAsnIleThrPheGluAsnGlyThrAspLeu 840
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2545 TTTCATTGCTATTTCAGGCTGTGATAGGTCGATCTGAATCAGAAATATCCAACTTCCA 2604
Db |||||||
841 PheIleAlaIleGlnAlaValAspLysValAspLeuLysSerGluIleSerAsnIleAla 860
QY |||||||
2605 CGAGTATCTTTTGTATTCCTCCACAGACTCCGCCAGAGACACCTAGTCCTCATGAAACG 2664
Db |||||||
861 ArgValSerLeuPheIleProProGlnThrProProGluThrProSerProAspGluThr 880
QY |||||||
2665 TCTGCTCTTGTCCCTAAATTCATATCAACAGCACCATTCTCGGCAATTCACATTTTAAA 2724
Db |||||||
881 SerAlaProCysProAsnIleHisIleAsnSerThrIleProGlyIleHisIleLeuLys 900

2725 ATTATGTGAAGTGGATAGGAGAACTGCAGCTGTCAATAGCC 2766
QY |||||||
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901 IleMetTrpLysTrpIleGlyGluLeuGlnLeuSerIleAla 914
RESULT 12
US-10-055-412B-28
; Sequence 28, Application US/10055412B
; Publication No. US20030059861A1
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; FILE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0058
; CURRENT APPLICATION NUMBER: US/10/055.412B
; CURRENT FILING DATE: 2001-10-29
; PRIOR APPLICATION NUMBER: US/09/193.562
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065.922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 28
; LENGTH: 914
; TYPE: PRN
; ORGANISM: Homo sapiens
US-10-055-412B-28
Alignment Scores:
Pred. No.: 0 Length: 914
Score: 4753.00 Matches: 912
Percent Similarity: 100.00% Conservative: 2
Best Local Similarity: 99.78% Mismatches: 0
Query Match: 88.35% Indels: 0
DB: 14 Gaps: 0
US-09-049-696-20 (1-2983) x US-10-055-412B-28 (1-914)
QY 25 ATGGGGCCATTAAAGATTCTGTGTTTCATCTTGTGATTTCTTACCTTCTAGAGGGGCCCTG 84
Db 1 MetGlyProPheLysSerSerValPheIleLeuLeuLeuLeuLeuLeuGlyAlaLeu 20
QY 85 AGTAATTCATCTTACCTGAGTGAACCAACAATGGCTATGAAGGCAATGTCGTGCAATCGAC 144
Db 21 SerAsnSerLeuIleGlnLeuAsnAsnGlyTyrGluGlyIleValValAlaIleAsp 40
QY 145 CCCATGTGCCAGAGATGAACACTCTTCAACAATAAAGGACATGCTGACCCAGGCA 204
Db 41 ProAsnValProGluAspGluThrLeuIleGlnIleLysAspMetValThrGlnAla 60
QY 205 TCTCTGATCTGTGTAAGCTACAGGAAAGCGATTATTTCAAAAATGTTGCCATTTTG 264
Db 61 SerLeuTyrLeuPheGluAlaThrGlyLysArgPheTyrPheLysAsnValAlaIleLeu 80
QY 265 ATTCTGAAACATGGAAGCAAAAGGCTGACTATGTGAGACCAAAAACCTTGAGACCTTACAA 324
Db 81 IleProGluThrTrpLysThrLysAlaAspTyrValArgProLysLeuGluThrTyrLys 100
QY 325 AATGCTGATGTTCTGGTTGCTGAGTCTACTCTCCAGCTAATGATGAACCTTACACTGAG 384
Db 101 AsnAlaAspValLeuValAlaGluSerThrProProGlyAsnAspGluProTyrThrGlu 120
QY 385 CAGATGGGCAACTGTGGAGAGAGGCTGAAAGAGTCCACCTCACCTCTGATTTCTATTGCA 444
Db 121 GlnMetGlyAsnCysGlyGlyLysGlyGlyGlyGlyGlyGlyGlyGlyGlyGlyGlyGly 140
QY 445 CGAAAAAGATTAGCTGAATATGGACCACCAAGTAGGCAATTTGTCCATGAGTGGGCTCAT 504
Db 141 GlyLysLysLeuAlaGluTyrGlyProGlnGlyLysAlaPheValHisGluTrpAlaHis 160
QY 505 CTACATGGGGAGTATTTGACGAGTACAAATATGATGATGAGAAATCTTACTTATCCCAATGGA 564
Db 161 LeuArgTrpGlyValPheAspGluTyrAsnAsnAspGluLysPheTyrLeuSerAsnGly 180
QY 565 AGAATACAAAGCAGTAAGATGTTTCAGCAGGTATTTACTGTCACAAATGTAGTAAGAAGTGT 624

181 ArgIleGlnAlaValArgCysSerAlaGlyIleThrGlyThrAsnValValLysLysCys 200
625 CAGGAGGAGGAGTGTATACACCAAAAGATGCACATTAATAAAGTAACAGGACTCTATGAA 684
201 GlnGlyGlySerCysTyrThrLysArgCysThrPheAsnLysValThrGlyLeuThrGlu 220
685 AAAGGATGTAGTGTCTTCCAAATCCCGCCAGAGCGAGAAGCTTCTATAATGTTGCA 744
221 LysGlyCysGluPheValLeuGlnSerArgGlnThrGluLysAlaSerIleMetPheAla 240
745 CAACATGTTGATCTCTATAGTTGAATCTGTACAGACAAACACCAACAAAGAGCTCCA 804
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805 AACCAAGCAAAATCAAAATGCAATCTCCGAAGCACAATGGGAAGTGCATCGTCTGAG 864
261 AsnLysGlnAsnGlnLysCysAsnLeuArgSerThrTrpGluValIleArgAspSerGlu 280
865 GACTTTAAGAAAACCACTCTATGACAAACACAGCCACCAAAATCCCACTTCTCATTTGCTG 924
281 AspPheLysLysThrThrProMetThrThrGlnProProAsnProThrPheSerLeuLeu 300
925 CAGATTGGACAAAGAAATGTGTGTTAGTCCTTGACAAATCTGGAGCATGGCGACTGCT 984
301 GlnIleGlyGlnArgIleValCysLeuValLeuAspLysSerGlySerMetAlaThrGly 320
985 AACCCGCTCAATCGACTGAATCAACGAGCCAGCTTTCTCTGCTCGACACACTGAGCTG 1044
321 AsnArgLeuAsnArgLeuAsnGlnAlaGlyGlnLeuPheLeuLeuGlnThrValGluLeu 340
1045 GCGTCTCGGTTGGGATGTGTGACATTTGACAGTGTGCTCCATGTACAAAGTGAATCTATA 1104
341 GlySerTrpValGlyMetValThrPheAspSerAlaAlaHisValGlnSerGluLeuIle 360
1105 CAGATAACAGTGGCAGTGACAGGACACACTCGGCCAAAGAAATACCTGCAGCAGCTTCA 1164
361 GlnIleAsnSerGlySerAspArgAspThrLeuAlaLysArgLeuProAlaAlaAsp 380
1165 GGAGGAGCTCCATCTGCAGCGGGTTCGATCGGCAATTTACTGTATTAGGAAGAAATAT 1224
381 GlyGlyThrSerIleCysSerGlyLeuArgSerAlaPheThrValIleArgLysLysTyr 400
1225 CCAACTGATGATCTGAAATTTGCTGTGTCGAGGATGGGAAGACAACTATAAGTGGG 1284
401 ProThrAspGlySerGluIleValLeuLeuThrAspGlyGluAspAsnThrIleSerGly 420
1285 TGCTTTAAGGAGTCAAAAGTGTGTCATCCACACAGTGTGGGCGCTCT 1344
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1525 TGGATGAATGGCAGCTGATCTGTGACAGCAGCCGTTGGGAAGACACTTTGTTCTTATC 1584
501 TrpMetAsnGlyThrValIleValAspSerThrValGlyLysAspThrLeuPheLeuIle 520
1585 ACCTGGACAAACGAGCTCCCAATCTCTCTGGATCCAGTGGAGCAGAGCAAGCAAGT 1644
521 ThrTrpThrThrGlnProProGlnIleLeuLeuTrpAspProSerGlyGlnLysGlnGly 540
1645 GCGTTTGTAGTGGACAAACCAAAATGGCTTACCTCCAAATCCGAGCATTTGCTAAG 1704

541 GlyPheValValAspLysAsnThrLysMetAlaTyrLeuGlnIleProGlyIleAlaLys 560
1705 GTTGGCACTTGAAATACAGTCTGCAAGCAAGCTCACAAACCTTGACCTGACTGTCAAG 1764
561 ValGlyThrTrpLysTyrSerLeuGlnAlaSerSerGlnThrLeuThrLeuThrValThr 580
1765 TCCCTGCGTCCAATGCTACCTGCTGCTCCAATTCAGTGACTTCCAAAACGAAAGGAC 1824
581 SerArgAlaSerAsnAlaThrLeuProProlleThrValThrSerLysThrAsnLysAsp 600
1825 ACCACCAATTCCTCCAGCCCTCTGTGTAGTTTATGAAATATTCCGCAAGAGCTCCCA 1884
601 ThrSerLysPheProSerProLeuValValTyrAlaAsnIleArgGlnGlyAlaSerPro 620
1885 ATTCTCAGGCGCAGTGTCTCACAGCCCTGATTGAATCAGTCAATCGAAAAACAGTTACTTG 1944
621 IleLeuArgAlaSerValThrAlaLeuIleGluSerValAsnGlyLysThrValThrLeu 640
1945 GAATCTGGATAATGGAGCAGGTGCTGATCTACTTAAGGATGACGGTGTCTACTCAAG 2004
641 GlnLeuLeuAspAsnGlyAlaGlyAlaAspAlaThrLysAspAspGlyValTyrSerArg 660
2005 TATTTTCAAACTTATGACACGAAATCGTAGATACAGTGTAAAGTGGGCTCTGGGAGGA 2064
661 TyrPheThrThrTyrAspThrAsnGlyArgTyrSerValLysValArgAlaLeuGlyGly 680
2065 GTTAAACGACGACGAGGAGTGTATACCCAGCAGAGTGGAGCACTGACATACCTGGC 2124
681 ValAsnAlaAlaArgArgValIleProGlnGlnSerGlyAlaLeuTyrIleProGly 700
2125 TGGATTGAGAATGATGAATACAATGGAATCCCAAGACCTGAAATTAATTAAGGATGAT 2184
701 TrpIleGluAsnAspGluIleGlnTrpAsnProProArgProGluIleAsnLysAspAsp 720
2185 GTTCAACAACAAGCAAGTGTGTTTCAGCAGAAATCTCTCGGAGGCTCATTTGGGTTCT 2244
721 ValGlnHisLysGlnValCysPheSerArgThrSerSerGlyGlySerPheValAlaSer 740
2245 GATGTCCCAATGCTCCCATCTCATCTCTTCCACCTCGGCCAAATACCCAGCTGAAG 2304
741 AspValProAsnAlaProIleProAspLeuPheProGlyGlnIleThrAspLeuLys 760
2305 GCGGAAATTCAGGGGCGAGTCTCAATTAATCTGACTTGGACAGCTCTCGGGAATGATTAT 2364
761 AlaGluIleHisGlyGlySerLeuIleAsnLeuThrTrpThrAlaProGlyAspAspTyr 780
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781 AspHisGlyThrAlaHisLysTyrIleIleArgIleSerThrSerIleLeuAspLeuArg 800
2425 GACAAAGTTCATGAATCTCTCAAGTGAATACTACTGCTCTCATCCCAAGGAAGCAAC 2484
801 AspLysPheAsnGluSerLeuGlnValAsnThrThrAlaLeuIleProLysGluAlaAsn 820
2485 TCTGAGGAAGTCTTTTGTTTAAACCAAGAAAAACATTACTTTTGAATAATCGCACAGATCTT 2544
821 SerGluGluValPheLeuPheLysProGluAsnIleThrPheGluAsnGlyThrAspLeu 840
2545 TTCATTGCTATTTCAGCTGTTGATAGGTCGATCGAAATCGAAATATCCAACTTGA 2604
841 PheIleAlaIleGlnAlaValAspLysValAspLeuLysSerGluIleSerAsnIleAla 860
2605 CGAGTATCTTTGTTTATTCCTCCAGACTCCGCGCAGAGACACCTAGTCTCTGATGAACG 2664
861 ArgValSerLeuPheIleProGlnThrProProGluThrProserProAspGluThr 880
2665 TCTGCTCTCTGTCTTAATTCATCAACAGCACCATTCTCTGGCATTCACATTTTAAAA 2724
881 SerAlaProCysProAsnIleHisIleAsnSerThrIleProGlyIleHisIleLeuLys 900
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901 IleMetTrpLysTrpIleGlyLeuGlnLeuSerIleAla 914

RESULT 13
US-10-369-214-133
; Sequence 133, Application US/10369214
; Publication No. US20030232037A1
; GENERAL INFORMATION:
; APPLICANT: Groot, Pieter C.
; APPLICANT: Berghenhouwen van, Bram J.
; APPLICANT: Oosterhout van, Antoon J.M.
; TITLE OF INVENTION: Genes involved in immune related responses observed
; TITLE OF INVENTION: with asthma
; FILE REFERENCE: P53837US00
; CURRENT APPLICATION NUMBER: US/10/369,214
; CURRENT FILING DATE: 2003-02-15
; PRIOR APPLICATION NUMBER: EP 00202867.8
; PRIOR FILING DATE: 2000-08-16
; PRIOR APPLICATION NUMBER: PCT/NL01/00610
; PRIOR FILING DATE: 2001-08-16
; NUMBER OF SEQ ID NOS: 139
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 133
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (1)..(914)
; OTHER INFORMATION: /note="Human CLC1"
US-10-369-214-133

Alignment Scores:
Pred. No.: 0 Length: 914
Score: 4751.00 Matches: 912
Percent Similarity: 99.89% Conservative: 1
Best Local Similarity: 99.78% Mismatches: 1
Query Match: 88.31% Indels: 0
DB: 15 Gaps: 0

US-09-049-696-20 (1-2983) x US-10-369-214-133 (1-914)

QY	25	ATGGGGCCATTAAAGATTCTGTTCATCTCTGTTGATCTTTCACCTTCTAGAGGGGCCCTG	84
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QY	85	AGTAATTCATCTTCAGCTGACACATGCTATGAGGCAATGCTGCTTCAATCGAC	144
Db	21	SerAsnSerLeuIleGlnLeuAsnAsnGlyTyrGluGlyIleValAlaIleAsp	40
QY	145	CCCAATGTCAGAGATGAACACTCATTTCAACAAATAAGGACATGTCACCCAGGCA	204
Db	41	ProAsnValProGluAspGluThrLeuIleGlnIleLysAspMetValThrGlnAla	60
QY	205	TCTCTGATCTGTTGAAGCTACAGAAAGCGATTTTATTCAAAAATGTTGCCATTTG	264
Db	61	SerLeuTyrLeuPheGluAlaThrGlyLysArgPheTyrPheLysAsnValAlaIleLeu	80
QY	265	ATTCCTGAACATGAACAGAGCTGACTATGTGACACCAAACTTGAGACCTTACAAA	324
Db	81	IleProGluThrTrpLysThrLysAlaAspTyrValArgProLysLeuGluThrTyrLys	100
QY	325	AATGCTGATGTTCTGGTGTCTACTCTCCAGGTAATGATGAACCCCTACACTGAG	384
Db	101	AsnAlaAspValLeuValAlaGluSerThrProProGlyAsnAspGluProTyrThrGlu	120
QY	385	CAGATGGGCAATGTGGAGAGAGGTAAGGATCCACCTCACTCTGATTTTCATGCA	444
Db	121	GlnMetGlyAsnCysGlyGluLysGlyGluArgIleHisLeuThrProAspPheIleAla	140
QY	445	GGAAAAAGTTAGCTGAATATCGACCAAGGTAGGCAATTTGTCATGAGTGGGCTCAT	504
Db	141	GlyLysLeuAlaGluTyrGlyProGlnGlyLysAlaPheValHisIleGluTrpAlaHis	160
QY	505	CTACGATGGGAGTATTTGACGAGTACAATAATGATGAGAAATTTCTATTCAATGGA	564

Db	161	LeuArgTrpGlyValPheAspGluTyrAsnAsnAspGluLysPheTyrLeuSerAsnGly	180
QY	565	AGAAATACAGCAGTAAGATGTTACGACAGTATTACTGTACAAATGTAGTAAGAGTGT	624
Db	181	ArgIleGlnAlaValArgCysSerAlaGlyIleThrGlyThrAsnValValLysCys	200
QY	625	CAGGAGGCGAGCTGTTACACCAAAAGATGCACATTCAATAAGTAACAGGACTCTATGA	684
Db	201	GlnGlyGlySerCysTyrThrLysArgCysThrPheAsnLysValThrGlyLeuTyrGlu	220
QY	685	AAAGGATGTGATTTGTTCTCCAATCCCGCAGACGAGAGGCTTCTATAATGTTTGA	744
Db	221	LysGlyCysGluPheValLeuGlnSerArgGlnThrGluLysAlaSerIleMetPheAla	240
QY	745	CAACATGTTGATTTCTATAGTTGAATTTCTGACAGACAAACCAACCAAGAACTCCA	804
Db	241	GlnHisValAspSerIleValGluPheCysThrGluGlnAsnHisAsnLysGluAlaPro	260
QY	805	AACAGCAAAATCAAAAATCAATCTCGAAGACATCGGAAGTGATCCGTGATTCTGAG	864
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QY	865	GACTTTAAAGAAACACCTCTATGACACACAGCCCAAAATCCACCTTCTCATTTGCTG	924
Db	281	AspPheLysLysThrThrProMetThrThrGlnProProAsnProThrPheSerLeuLeu	300
QY	925	CAGATTGACAAAGAAATTTGTTAGTCTTGACAAATCTGGAAGCATGCGGACTGCT	984
Db	301	GlnIleGlyGlnArgIleValCysLeuValLeuAspLysSerGlySerMetAlaThrGly	320
QY	985	AACGCTCTCAATCGACTGAATCAAGCAGCGCAGCTTTTCTGCTGCAGACAGTTCAGCTG	1044
Db	321	AsnArgLeuAsnArgLeuAsnGlnAlaGlyGlnLeuPheLeuLeuGlnThrValGluLeu	340
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QY	1105	CAGATAACAGTGGCAGTGACAGGACACACTCGCCAAAAGATTACCTGCAGCAGCTTCA	1164
Db	361	GlnIleAsnSerGlySerAspArgAspThrLeuAlaLysArgLeuProAlaAlaAsp	380
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QY	1225	CAAATGATGATCTGAAATTTGCTGCTGACGGATGGGGAAGACAACTATAAGTGGG	1284
Db	401	ProThrAspGlySerGluIleValLeuLeuThrAspGlyGluAspAsnThrIleSerGly	420
QY	1285	TGCTTTACGAGGTCAACAAAGTGGTCCCATCATCCACAGTCCGCTTGGGGCCCTCT	1344
Db	421	CysPheAsnGluValLysGlnSerGlyAlaIleIleHisThrValAlaLeuGlyProSer	440
QY	1345	GCAGCTCAAGAACTAGAGAGCTGTCCAAATAGCAGGAGGTTTACAGACATATGCTTCA	1404
Db	441	AlaAlaGlnGluLeuGluLeuSerLysMetThrGlyGlyLeuGlnThrTyrAlaSer	460
QY	1405	GATCAAGTTCAGAAATGCGCTCATTTGCTGCTGCTTGGGGCCCTTTCATCAGGAATGA	1464
Db	461	AspGlnValGlnAsnAsnGlyLeuIleAspAlaPheGlyAlaLeuSerSerGlyAsnGly	480
QY	1465	GCTGTCTCTCAGCGCTCCATCCAGCTTGAGTAGTAGGATTAACCTCCAGAACAGCCAG	1524
Db	481	AlaValSerGlnArgSerIleGlnLeuGluSerLysGlyLeuThrLeuGlnAsnSerGln	500
QY	1525	TGGATGAATGCACAGTGTGTCGACAGCCGTCGGGAAAGGACACTTTGTTCTTATC	1584
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QY	1585	ACCTGGACAAACGCGCTCCCAAAATCTTCTGGGATCCAGTGGACAGAAAGGT	1644

Db 521 ThrTrpThrThrGlnProGlnProGlnLeuLeuTrpAspProSerGlyGlnLysGlnGly 540
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Qy 1705 GTTGGCACTTGAATATACAGTCTGACGAGCTCACAACCTTGACCTGACTGTACG 1764
Db 561 ValGlyThrTrpLysTyrSerLeuGlnAlaSerSerGlnThrLeuThrLeuThrValThr 580
Qy 1765 TCCCGTGGCTCAATGCTCCCTCCCTCAATATACAGTCACTTCCAAAACGACAGGAC 1824
Db 581 SerArgAlaSerAsnAlaThrLeuProProLeuThrValThrSerLysThrAsnLysAsp 600
Qy 1825 ACCAGCAATTCGCCAGCCCTCTGGTAGTTTATGCAAAATATTCGCCAAGAGCCCTCCCA 1884
Db 601 ThrSerLysPheProSerProLeuValValTyrAlaAsnLeuArgGlnGlyAlaSerPro 620
Qy 1885 ATTCTCAGGCGCAGTGTACAGCCCTGATTGAATCAGTGAATGGAAAAACAGTTACCTTG 1944
Db 621 IleLeuArgAlaSerValThrAlaLeuIleGluSerValAsnGlyLysThrValThrLeu 640
Qy 1945 GAACCTACTGTAATAGGACAGCTGCTGATCTACTTAAGGATGACGGTCTCTACTCAAG 2004
Db 641 GluLeuLeuAspAsnGlyAlaGlyAlaAspAlaThrLysAspGlyValTyrSerArg 660
Qy 2005 TATTTTCAACATTTATCACAGTAATGTAGATACAGTGTAAAAGTGGGCTCTGGGAGA 2064
Db 661 TyrPheThrThrTyrAspThrAsnGlyArgTyrSerValLysValArgAlaLeuGlyGly 680
Qy 2065 GTTACGCGACGACGAGAGTGTATACCCAGCAGAGTGGAGCAGTGTACATACCTGGC 2124
Db 681 ValAsnAlaAlaArgArgValIleProGlnGlnSerGlyAlaLeuTyrIleProGly 700
Qy 2125 TGGATTGAGATGATGAATAATACAAATGGAATCCACAGACCTGAAATTAATAGATGAT 2184
Db 701 TrpIleGluAsnAspGluIleGlnTrpAsnProProArgProGluIleAsnLysAspAsp 720
Qy 2185 GTTCAACACAAAGAGTGTGTTTACAGCAACATCTCGGAGGCTCATTTGCGGCTCT 2244
Db 721 ValGlnHisLysGlnValCysPheSerArgThrSerSerGlyGlySerPheValAlaSer 740
Qy 2245 GATGTCCTCAATGCTCCCATCTGATCTCTTCCACCTGGCCAAATACCCAGCTGAAG 2304
Db 741 AspValProAsnAlaProIleProAspLeuPheProGlyGlnIleThrAspLeuAsn 760
Qy 2305 CGGGAATTCAGGGGGAGTCTCAATATCTGACTGTGACAGCTCTGGGAGTATAT 2364
Db 761 AlaGluIleHisGlyGlySerLeuIleAsnLeuThrTrpThrAlaProGlyAspAspTyr 780
Qy 2365 GACCATGGAACAGCTCACAAATATATCATTCGAATAAGTACAAATATCTTCATCTCAGA 2424
Db 781 AspHisGlyThrAlaHisLysTyrIleIleArgIleSerThrSerIleLeuAspLeuArg 800
Qy 2425 GACAAATTCATGAATCTCTCAAGTGAATATCTGCTCTCATCCCAAGAACCCCAAC 2484
Db 801 AspLysPheAsnGluSerLeuGlnValAsnThrThrAlaLeuIleProLysGluAlaAsn 820
Qy 2485 TCTGAGGAGTCTTTTGTGTTTAAACAGNAACATCTCTTTGAAATGGGACAGATCTT 2544
Db 821 SerGluGluValPheLeuPheLysProGluAsnIleThrPheGluAsnGlyThrAspLeu 840
Qy 2545 TTCATTGCTATTACAGCTGTTTCATAGGTGCTGTAATACAGAAATATCCAACTTCCA 2604
Db 841 PheIleAlaIleGlnAlaValAspLysValAspLeuLysSerGluIleSerAsnIleAla 860
Qy 2605 CGAGTATCTTTGTTTATTCCTCCACAGACTCCGCCAGACACCTAGTCTGCTGATGAAAG 2664
Db 861 ArgValSerLeuPheIleProGlnThrProGluThrProSerProAspGluThr 880
Qy 2665 TCTGCTCTCTGCTTAATATTCATATCAACAGCAGATTCCTGGGATTCACATTTTAAA 2724
Db 881 SerAlaProCysProAsnIleHisIleAsnSerThrIleProGlyIleHisIleLeuLys 900

Qy 2725 ATTATGTGAAGTGGATAGGAGAACTGCAGCTGTCAATAGCC 2766
Db 901 IleMetTrpLysTrpIleGlyGluLeuGlnLeuSerIleAla 914

RESULT 14

US-10-106-698-6388
; Sequence 6388, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptides
; FILE REFERENCE: PA005PI
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 6388
; LENGTH: 869
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (14)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-10-106-698-6388

Alignment Scores:

Pred. No.: 0 Length: 869
Score: 4476.00 Matches: 858
Percent Similarity: 99.65% Conservative: 1
Best Local Similarity: 99.54% Mismatches: 3
Query Match: 83.20% Indels: 0
DB: 14 Gaps: 0

US-09-049-696-20 (1-2983) x US-10-106-698-6388 (1-869)

Qy 181 ATAAAGACATGGTGCACCCAGGCATCTCTGTATCTGTTTGAAGCTACAGGAAGCGATT 240
Db 8 IleArgHisGluValThr***AlaSerLeuTyrLeuPheGluAlaThrGlyLysArgPhe 27
Qy 241 TATTTCAAAATGTTGCCATTTTGATTCCTGAAACATGGAACAAAGCTGACTATGTG 300
Db 28 TyrPheLysAsnValAlaIleLeuIleProGluThrTrpLysThrLysAlaAspTyrVal 47
Qy 301 AGACCAAACTTGACACCTACAAAATGCTGATGTTCTGTTGCTGAGTCTACTCTCCCA 360
Db 48 ArgProLysLeuGluThrTyrLysAsnAlaAspValLeuValAlaGluSerThrProPro 67
Qy 361 GGTAAATGTAACCCCTACACTGAGCAGATGGCAACTGTGGAGAGAAGGGTCAAAGGATC 420
Db 68 GlyAsnAspGluProTyrThrGluGlnMetGlyAsnCysGlyGluLysGlyGluArgIle 87
Qy 421 CACCTCACTCTCTGATTTTCATTCGACGAAAAAGTTAGCTGGAATATGGACCAAGGTAGG 480
Db 88 HisLeuThrProAspPheIleAlaGlyLysLysLeuAlaGluTyrGlyProGlnGlyArg 107
Qy 481 GCATTTGTCATGAGTGGCTCATCTACATGGGAGTATTTGACGAGTACATAATGAT 540
Db 108 AlaPheValHisGluTrpAlaHisLeuArgTrpGlyValPheAspGluTyrAsnAsnAsp 127
Qy 541 GAGAAATCTACTTATCAATGGAAGAATACAAGCAGTAAGATGTTTCAGCAGCTATTACT 600
Db 128 GluLysPheTyrLeuSerAsnGlyArgIleGlnAlaValArgCysSerAlaGlyIleThr 147
Qy 601 GGTACAAATGTAGTAAAGAAGTGTCCAGGAGGACGCTGTTACACCAAAAGATGCACATTC 660

Db	148	GlyThrAsnValValLysLysCysGlnGlyGlySerCysTyrThrLysArgCysThrPhe	167
Qy	661	AAATAAGTAACAGGACTCTATCAAAAGAGATGTGAGTTTGTCTCCAATCCCGCCAGACG	720
Db	168	AsnLysValThrGlyLeuTyrGlnLysGlyCysGluPheValLeuGlnSerArgGlnThr	187
Qy	721	GAGAAAGGCTTCTATTAATGTTTGCACAAACATGTTGATTTCTATATGTTGAAATTTCTGTACAGAA	780
Db	188	GluLysAlaSerIleMetPheAlaGlnHisValAspSerIleValGluPheCysThrGlu	207
Qy	781	CAAAACCAACAAGAGCTCCAAACCAAGCAAAATCAAAATGCAATCTCCGAAGCAC	840
Db	208	GlnAsnHisAsnLysGluAlaProAsnLysGlnAsnGlnLysCysAsnLeuArgSerThr	227
Qy	841	TGGGAAGTGATCCGGATTCTGAGACATTTAAGAAAACCACTCTATGACACACAGACA	900
Db	228	TrpGluValIleArgAspSerGluAspPheLysThrThrProMetThrThrGlnPro	247
Qy	901	CCAAATCCACCTTCTCATTTGCTGCAGATTGACAAAAGAAATGTTGTGTTAGTCTCTGAC	960
Db	248	ProAsnProThrPheSerLeuLeuGlnIleGlyGlnArgIleValCysLeuValLeuAsp	267
Qy	961	AAATCTGGAAGCATGGGAGTGTAAACCGCTCAATCGACTGAATCAAGAGCGCGAGCTT	1020
Db	268	LysSerGlySerMetAlaThrGlyAsnArgLeuAsnArgLeuAsnGlnAlaGlyGlnLeu	287
Qy	1021	TTCTCTGCTGCACAGTTCAGCTGGGCTCGCTGGGTTGGATGGTGACATTTGACAGTGCT	1080
Db	288	PheLeuLeuGlnThrValGluLeuGlySerTrpValGlyMetValThrPheAspSerAla	307
Qy	1081	GCCCATGTACAAAGTGAACCTACACAGATAAACAGTGGCAGTGACAGGACACACTCGCC	1140
Db	308	AlaHisValGlnSerGluLeuIleGlnIleAsnSerGlySerAspArgAspThrLeuAla	327
Qy	1141	AAAAGATTACCTGCAGCAGCTTCAGAGGAGCGTCCATCTGCAGCGGGCTTCGATCGGCA	1200
Db	328	LysArgLeuProAlaAlaLeuAlaSerGlyGlyThrSerIleCysSerGlyLeuArgSerAla	347
Qy	1201	TTTACTGTGATTAGGAAGAAATATCCAACTGATGATCTGAAATTTGCTGCTGACGGAT	1260
Db	348	PheThrValIleArgLysLysTyrProThrAspGlySerGluIleValLeuLeuThrAsp	367
Qy	1261	GGGGAAGCAACACTATTAAGTGGGTCTTAAACGAGGTCAAAACAAAGTGGTCCCATCATC	1320
Db	368	GlyGluAspAsnThrIleSerGlyCysPheAsnGluValLysGlnSerGlyAlaIleIle	387
Qy	1321	CACACAGTCGCTTTGGGCGCTCTCGAGCTCAAGAACTAGAGAGCTGTCCAAAATGACA	1380
Db	388	HisThrValAlaLeuGlyProSerAlaAlaGlnGluLeuGluLeuSerLysMetThr	407
Qy	1381	GGAGGTTTACAGACATATGCTTCAGATCAAGTTCAAGACATGGCCTCATTTGATGCTTTT	1440
Db	408	GlyGlyLeuGlnThrTyrAlaSerAspGlnValGlnAsnAsnGlyLeuIleAspAlaPhe	427
Qy	1441	GGGGCCCTTTTCATCAGGAAATGGAGCTGTCTCAGCGCTCCATCCAGCTTGAGAGTAAG	1500
Db	428	GlyAlaLeuSerSerGlyAsnGlyAlaValSerGlnArgSerIleGlnLeuGluSerLys	447
Qy	1501	GGATTAACTCCAGAACAGCCAGTGGATGAATGCGACAGTGAATGCGTGCAGACAGCCGTG	1560
Db	448	GlyLeuThrLeuGlnAsnSerGlnTrpMetAsnGlyThrValIleValAspSerThrVal	467
Qy	1561	GGAAAGGACATTTCTTTCTTATACCTGGAACAGCGAGCTCCCAATCTCTCTCGG	1620
Db	468	GlyLysAspThrLeuPheLeuIleThrTrpThrThrGlnProProGlnIleLeuLeuTrp	487
Qy	1621	GATCCAGTGGACAGAAGCGGCTTTGTAGTGGACAAAAACCAAAAAATGGCCTAC	1680
Db	488	AspProSerSerGlyGlnLysGlnGlyGlyPheValValAspLysAsnThrLysMetAlaTyr	507
Qy	1681	CTCCAAATCCAGGCAATGCTTAAGTTTGGCACTTCGAAATACAGTCTGCAAGCAAGCTCA	1740
Db	508	LeuGlnIleProGlyIleAlaLysValGlyThrTrpLysTyrSerLeuGlnAlaSerSer	527
Qy	1741	CAAACTTTGACCTGACTGTACGTCCTCGTCCCAATGCTCAATGCTTACCTGCTCCAATTACA	1800
Db	528	GlnThrLeuThrLeuThrValThrSerArgAlaSerAsnAlaThrLeuProProIleThr	547
Qy	1801	GTGACTTCCAAAAGCAACAGACACACAGCAAAATTTCCAGCCCTCTGGTAGTTATGCA	1860
Db	548	ValThrSerLysThrAsnLysAspThrSerLysPheProSerProLeuValValTyrAla	567
Qy	1861	AATATTCCCAAGAGCCCTCCCAATTTCTCAGGGCCAGTGTACACAGCCCTGATTCGAATCA	1920
Db	568	AsnIleArgGlnGlyAlaSerProIleLeuArgAlaSerValThrAlaLeuIleGluSer	587
Qy	1921	GTGAATGAAAAACAGTTTACCTTGGAACTACTGGGATAATGGACAGGTGCTGATGCTACT	1980
Db	588	ValAsnGlyLysThrValThrLeuGluLeuLeuAspAsnGlyAlaGlyAlaAspAlaThr	607
Qy	1981	AAGGATGACGGTGTCTACTCAAGGTATTTTCAACTTATGACACGAATGGTAGATACAGT	2040
Db	608	LysAspAspGlyValTyrSerArgTyrPheThrThrTyrAspThrAsnGlyArgTyrSer	627
Qy	2041	GTAAAGTCGGGCTCTGGGAGGAGTTAACGCGCCACAGCGAGAGTATATCCCGCAGAG	2100
Db	628	ValLysValArgAlaLeuGlyGlyValAsnAlaAlaArgArgValIleProGlnGln	647
Qy	2101	AGTGAGCAGCTGTACATACCTGGCTGGATTGAGAAATGATGAAATCAATGGAATCCACCA	2160
Db	648	SerGlyAlaLeuTyrIleProGlyTrpIleGluAsnAspGluIleGlnTrpAsnProPro	667
Qy	2161	AGACTGAAATTAATAAGGATGATGTTCAACACAAAGAGTGTGTTTCAGCAGAACATCC	2220
Db	668	ArgProGluIleAsnLysAspAspValGlnHisLysGlnValCysPheSerArgThrSer	687
Qy	2221	TCGGAGGCTCATTTGTGGCTTCTGATGTTCCCAATGCTCCCATACCTGATCTCTCCCA	2280
Db	688	SerGlyGlySerPheValAlaSerAspValProAsnAlaProIleProAspLeuPhePro	707
Qy	2281	CCTGSCCAAAATCACCGACTCAAGCGGAAATTCACGGGGCGAGTCTCATTAATCTGACT	2340
Db	708	ProGlyGlnIleThrAspLeuLysAlaGluIleHisGlyGlySerLeuIleAsnLeuThr	727
Qy	2341	TGGAAGCTCTCGGGATGATTATGACCATGGAACAGCTCAAGTATATATCATTCGAATA	2400
Db	728	TrpThrAlaProGlyAspAspTyrAspHisGlyThrAlaHisLysTyrIleIleArgIle	747
Qy	2401	AGTACAAGTATCTTGATCTCAGACAGCAAGTTCATGAATCTCTTCAAGTGAATACTACT	2460
Db	748	SerThrSerIleLeuAspLeuArgAspLysPheAsnGluSerLeuGlnValAsnThrThr	767
Qy	2461	GCTCTCATCCCAAGGAAGCAACTCTCAGGAAGTCTTTTGTGTTTAAACCGAAAAACATT	2520
Db	768	AlaLeuIleProLysGluAlaAsnSerGluGluValPheLeuPheLysProGluAsnIle	787
Qy	2521	ACTTTTGAATATGGCACAGATCTTTTTCATTCATTCAGGCTGTTGTAAGTCCGATCTG	2580
Db	788	ThrPheGluAsnGlyThrAspLeuPheIleAlaIleGlnAlaValAspLysValAspLeu	807
Qy	2581	AAATCAGAAATATCCAACATTCGACGAGTATCTTTGTTTATTTCTCCACAGACTCGCCA	2640
Db	808	LysSerGluIleSerAsnIleAlaArgValSerLeuPheIleProProGlnThrProPro	827
Qy	2641	GAGACACCTAGTCTCTGATGAACAGTCTGCTCTCTGCTCTTAATATTCATATCAACAGCAC	2700
Db	828	GluThrProSerProAspGluThrSerAlaProCysProAsnIleHisIleAsnSerThr	847
Qy	2701	ATTCCTGSCATTTCATTTTAAAAATATATGTGGAAGTGCATAGAGAACTGCAGCTGTCA	2760
Db	848	IleProGlyIleHisIleLeuLysIleMetTrpLysTrpIleGlyGluLeuGlnLeuSer	867
Qy	2761	ATAGCC 2766	
Db	868	IleAla 869	

RESULT 15
US-10-270-595-2
; Sequence 2, Application US/10270595
; Publication No. US20030078409A1
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/10/270,595
; CURRENT FILING DATE: 2002-10-16
; PRIOR APPLICATION NUMBER: US/09/623,624
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,472
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; PRIOR FILING DATE: 1996-08-23
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 913
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-270-595-2

Alignment Scores:
Pred. No.: 1,35e-302 Length: 913
Score: 3656.50 Matches: 694
Percent Similarity: 86.99% Conservative: 102
Best Local Similarity: 75.85% Mismatches: 112
Query Match: 67.96% Indels: 7
DB: 14 Gaps: 4

US-09-049-696-20 (1-2983) x US-10-270-595-2 (1-913)

QY	25	ATGGGGCCATTAAAGAGTCTGTGTTTCATCTTGATTCTTTCACCTTCTAGAGGGGCCCTG	84
DB	1	MetGluSerLeuLysSerProValPheLeuLeuLeuLeuLeuLeuLeuLeuLeuLeu	20
QY	85	AGTAATCTACTTATTCAGCTGAACAACAATGGCTATGAGGCAATTCGTGCAATCGAC	144
DB	21	SerGluSerLeuLeuLeuLeuLeuLeuLeuLeuLeuLeuLeuLeuLeuLeuLeuLeu	40
QY	145	CCCAATGTCCAGACATGAACACATCATTCACAAATAAAGACATGTGACCCAGGCA	204
DB	41	HisAspValProGluAspGluAlaLeuLeuLeuLeuLeuLeuLeuLeuLeuLeuLeu	60
QY	205	TCTCTGTATCTGTTTCAAGCTACAGAAAGCGATTTTATTTCAAAAATGTGTCATTG	264
DB	61	SerProTyrLeuPheGluAlaThrGlyLysArgPheTyrPheLysAsnValAlaLeu	80
QY	265	ATTCTGAAACATGGAAGCAAGGCTGACTATGTGAGACCAAACTTGAGACTACAAA	324
DB	81	IleProGluSerTrpLysAlaLysProGluTyrThrArgProLysLeuGluThrPheLys	100
QY	325	ATGCTGATGTTCTGTTGCTGAGTCTACTCTCCAGGTAATGATGAACCTTACCTGAG	384

DB	101	AsnAlaAspValLeuValSerThrThrSerProLeuGlyAsnAspGluProTyrThrGlu	120
QY	385	CAGATGGGCAACTGTGGAGAGAGGTAAGAGATCCACCTCCTCCTCCTCCTCCTCCTGCA	444
DB	121	HisIleGlyAlaCysGlyGlyLysGlyIleArgIleHisLeuThrProAspPheLeuAla	140
QY	445	CGAAAAAGTTAGCTCAATATGACACCAAGCTAGGCAATTTGTCATCAGTGGGCTCAT	504
DB	141	GlyLysLysLeuThrGlnTyrGlyProGlnAspArgThrPheValHisGluTrpAlaHis	160
QY	505	CTACGATGGGAGTATTTGACGAGTACATAATATGATGAGAAAATTTCTACTTATCCATGGA	564
DB	161	PheArgTrpGlyValPheAsnGluTyrAsnAsnAspGluLysPheTyrLeuSerLysGly	180
QY	565	AGAATACAAAGCAGTAAGATGTTACAGAGGTATTTCTGTGACAAATGTAAGAAGTGT	624
DB	181	LysProGlnAlaValArgCysSerAlaAlaIleThrGlyLysAsnGlnValArgArgCys	200
QY	625	CAGGAGGCGAGCTGTTACACCAAA--AGATGCACATTCATCAATAAAGTACAGACTCTAT	681
DB	201	GlnGlyGlySerCysIleThrAsnGlyLysCysValIleAspArgValThrGlyLeuTyr	220
QY	682	GAATAAGGATGTGAGTTGTTCTTCCAAATCCCGCAGACGAGAGGCTTCTATATGTTT	741
DB	221	LysAspAsnCysValPheValProAspProHisGlnAsnGluLysAlaSerIleMetPhe	240
QY	742	GCACACATGTTGATTCTATAGTTGAATTTCTGTACAGAAACAAACACAAAGAGCT	801
DB	241	AsnGlnAsnIleAsnSerValValGluPheCysThrGluLysAsnHisAsnGlnAla	260
QY	802	CCAAACAGCAAAATCAAAAATGCAATCTCCAGGACATGGGAAGTATCGTGATTC	861
DB	261	ProAsnAspGlnAsnGlnArgCysAsnLeuArgSerThrTrpGluValIleGlnGluSer	280
QY	862	GAGGACTTTAAGAAAACCACTCTATGACACACAGCCACCAAAATCCCACTTCTCATG	921
DB	281	GluAspPheLysGlnThrThrProMetThrAlaGlnProProAlaProThrPheSerLeu	300
QY	922	CTGCAGATTGGACAAAGAAATGTTGTTTGTAGTCTTGTACAAATCTGGAAGCATGGCAGCT	981
DB	301	LeuGlnIleGlyGlnArgIleValCysLeuValLeuAspLysSerGlySerMetLeuAsn	320
QY	982	GGTAACCGCTCAATCGACTGAATCAGCAGGCGCAGCTTTTCTGCTGCAGACAGTTGAG	1041
DB	321	AspAspArgLeuAsnArgMetAsnGlnAlaSerArgLeuPheLeuLeuGlnThrValGlu	340
QY	1042	CTGGGTCCTGGTGGGATGTTGACATTTGACAGTCTGCCCATCTACAAAGTGAATC	1101
DB	341	GlnGlySerTrpValGlyMetValThrPheAspSerAlaAlaTyrValGlnSerGluLeu	360
QY	1102	ATACAGATAAACAGTGGCAGTACAGGACACACATCGCCAAAAGATTACCTGCAGCAGCT	1161
DB	361	LysGlnLeuAsnSerGlyAlaAspArgAspLeuLeuLysHisLeuProThrValSer	380
QY	1162	TCAGAGGACGTCATCTGCGCGGGCTTCGATCGCGATTTTACTGTGATTAGGAAGAA	1221
DB	381	AlaGlyGlyThrSerIleCysSerGlyLeuArgThrAlaPheThrValIleLysLys	400
QY	1222	TATCCAACTGATGATCTGAATTTGCTGCTGCGGATGGGAGGACACACTATAAGT	1281
DB	401	TyrProThrAspGlySerGluIleValLeuLeuThrAspGlyGluAsnThrIleSer	420
QY	1282	GGGTGCTTTAAGCAGGTCAAAAGTGGTGCCATCATCACACAGCTCCCTTTGGGGCCC	1341
DB	421	SerCysPheAspLeuValLysGlnSerGlyAlaIleIleHisThrValAlaLeuGlyPro	440
QY	1342	TCTGACGCTCAAGAACTAGAGAGCTGTCCAAAATGACAGGAGTTTACAGACATGCT	1401
DB	441	AlaAlaAlaLysGluLeuGluGlnLeuSerLysMetThrGlyGlyLeuGlnThrTyrSer	460
QY	1402	TCAGATCAAGTTCAAGCAATGCGCTCATGTTGCTTTGGGGCCCTTTTCATCAGGAAT	1461
DB	461	SerAspGlnValGlnAsnGlyLeuValAspAlaPheAlaLeuSerSerGlyAsn	480

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QY 1462 GGAGCTGTCTCTCAGCGCTCCATCCAGCTTGAGAGTAAGGATTAACCCCTCCAGAACAGC 1521
Db |||:||||| |||:||||| |||:||||| |||:||||| |||:||||| |||:||||| |||:|||||
481 AlaAlaIleAlaGlnHisSerIleGlnLeuGluSerArgGlyValAsnLeuGlnAsnAsn 500
QY 1522 CAGTGGATGAATGGCAGACGTATCGTGGACAGACCGTGGGAAGACACTTGTGTTCTT 1581
Db |||:||||| |||:||||| |||:||||| |||:||||| |||:||||| |||:||||| |||:|||||
501 GlnTrpMetAsnGlySerValIleValAspSerSerValGlyLysAspThrLeuPheLeu 520
QY 1582 ATCCACTGACACAGCAGCTCCCAAAATCTCTCTGGATCCCGAGTGGACAGAGCAA 1641
Db |||:||||| |||:||||| |||:||||| |||:||||| |||:||||| |||:||||| |||:|||||
521 IleThrTrpThrHisProProThrIlePheIleTrpAspProSerGlyValGluGln 540
QY 1642 GGTGGCTTTGTAGTGACAAAAACACCAAAATGGCTTACTCTCAAAATCCAGCCAGCATTTGCT 1701
Db |||:||||| |||:||||| |||:||||| |||:||||| |||:||||| |||:||||| |||:|||||
541 AsnGlyPheIleLeuAspThrThrLysValAlaIleValProGlyThrAla 560
QY 1702 AAGGTTGGCACTTGGAAATACAGTCTGCAAGCAAGCTCAAAACCTTGACCTGACTGTC 1761
Db |||:||||| |||:||||| |||:||||| |||:||||| |||:||||| |||:||||| |||:|||||
561 LysValGlyPheTrpLysTyrSerIleGlnAlaSerSerGlnThrLeuThrLeuThrVal 580
QY 1762 AGTCCCGTGGCTCAATGCTACCCCTGCTCCAAATACAGTGCATCTCCAAAAGCAACAG 1821
Db |||:||||| |||:||||| |||:||||| |||:||||| |||:||||| |||:||||| |||:|||||
581 ThrSerArgAlaAlaSerAlaThrLeuProProIleThrValThrProValValAsnLys 600
QY 1822 GACACCAAGCAAAATTCGCCAGCCCTCTGGTAGTTTATGCAAAATATTCGCCAAGGAGCCTCC 1881
Db |||:||||| |||:||||| |||:||||| |||:||||| |||:||||| |||:||||| |||:|||||
601 AsnThrGlyLysPheProSerProValThrValTyrAlaSerIleArgGlnGlyAlaSer 620
QY 1882 CCAATTTCTCAGGCGCCAGTGTCAAGCCCTGATGTAATCAGTGAATGGAAGAAAACAGTTACC 1941
Db |||:||||| |||:||||| |||:||||| |||:||||| |||:||||| |||:||||| |||:|||||
621 ProIleLeuArgAlaSerValThrAlaLeuIleGluSerValAsnGlyLysThrValThr 640
QY 1942 TTGGAACTACTGGATTAATGGACAGAGTGTCTGATCTACTAAGATGACCGTGTCTACTCA 2001
Db |||:||||| |||:||||| |||:||||| |||:||||| |||:||||| |||:||||| |||:|||||
641 LeuGluLeuLeuAspAsnGlyAlaGlyAlaAspAlaThrLysAsnAspGlyValTyrSer 660
QY 2002 AGGTATTTCCACAACTTATCACAGCAAGTGTAGATACAGTGAAGTGAAGTGGGCTCTGGGA 2061
Db |||:||||| |||:||||| |||:||||| |||:||||| |||:||||| |||:||||| |||:|||||
661 ArgPhePheThrAlaPheAspAlaAsnGlyArgTyrSerValLysIleTrpAlaLeuGly 680
QY 2062 GGAGTTTAAACGACGACGAGAGTGATATACCCAGCAGAGTGGAGCACTGTACATACCT 2121
Db |||:||||| |||:||||| |||:||||| |||:||||| |||:||||| |||:||||| |||:|||||
681 GlyValThrSerAspArgGlnArgAlaAlaProProLysAsnArgAlaMetTyrIleAsp 700
QY 2122 GCGTGATTGAGAATGATGAATACAAATGGAATCCACCAAGCCTGGAATTAATTAAGGAT 2181
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QY 2182 GATGTTCAACACAAAGCAAGTGTGTTTCAGCAGAACATCTCCGGAGGCTCATTTGTGGCT 2241
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QY 2242 TCTGATGTCCCA---AATGCTCCCATACCTGATCTCTCCACCTGGCCAAATCACCCGAC 2298
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QY 2299 CTGAAGCGCGAAATTCACGGGGGAGTCTCATTAATCTGACTTGGACAGCTCCTGGGGAT 2358
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QY 2359 GATTATGACCATGGACAGCTCACAGTATATCATTCGATTAATGATAGTACAGTATCTTGAT 2418
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779 AspTyrAspHisGlyArgAlaSerAsnTyrIleIleArgMetSerThrSerIleValAsp 798
QY 2419 CTCAGAGACAAGTTCGAATGAATCTCTCAAGTCAATACTACTCTCTCATCCCAAGGAA 2478
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QY 2659 GAAACGCTCTGCTCTTGTCTTAATTCATATCAACAGCACCATTCTCTGGCATTCCACATT 2718
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876 AspSerThrProProCysProAspIleSerIleAsnSerThrIleProGlyIleHisVal 895
QY 2719 TTAAAAATTATCTGGAAGTGGATAGAGAACTGCAGCTGTCTCAATA 2763
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896 LeuLysIleMetTyrLysTrpLeuGlyGluMetGlnValThrLeu 910
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Job time : 251.435 secs

GenCore version 5.1.6
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OM nucleic - protein search, using frame_plus_n2p model

Run on: April 21, 2004, 16:13:29 ; Search time 27.5207 Seconds

(without alignments)
11191.613 Million cell updates/sec

Title: US-09-049-696-20

Perfect score: 5380

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Scoring table: BLOSUM62

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Delop 6.0, Delext 7.0

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 778828

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Post-processing: Minimum Match 0%

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Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

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1	4754	88.4	914	4 US-09-623-624-6	Sequence 6, Appli
2	4753	88.3	914	4 US-09-193-562D-28	Sequence 28, Appl
3	3656.5	68.0	913	4 US-09-623-624-2	Sequence 2, Appli
4	2866.5	53.3	917	4 US-09-049-698-41	Sequence 41, Appl
5	2462.5	45.8	903	4 US-09-193-562D-46	Sequence 46, Appl
6	2411.5	44.8	903	4 US-09-623-624-18	Sequence 18, Appl
7	2328	43.3	905	4 US-09-193-562D-2	Sequence 2, Appli
8	2324.5	43.2	902	4 US-09-193-562D-34	Sequence 34, Appl
9	2258.5	42.0	1000	4 US-09-193-562D-30	Sequence 30, Appl
10	2125	39.5	795	4 US-09-193-562D-11	Sequence 11, Appl
11	2125	39.5	821	4 US-09-193-562D-12	Sequence 12, Appl
12	1996	37.1	943	4 US-09-643-597-161	Sequence 161, App

ALIGNMENTS

RESULT 1

US-09-623-624-6
; Sequence 6, Application US/09623624
; Patent No. 6576434
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/09/623,624
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,472
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,110
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,168
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/980,872
; PRIOR FILING DATE: 1997-12-01

/ NUMBER OF SEQ ID NOS: 18
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 6
/ LENGTH: 914
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-09-623-624-6

Alignment Scores:

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Score: 4754.00 Matches: 913
Percent Similarity: 99.89% Conservative: 0
Best Local Similarity: 99.89% Mismatches: 1
Query Match: 88.36% Indels: 0
DB: 4 Gaps: 0

US-09-049-696-20 (1-2983) x US-09-623-624-6 (1-914)

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DB 21 SerAsnSerLeuIleGlnLeuAsnAsnGlyTyrGluGlyIleValValAlaIleAsp 40

QY 145 CCCAATGCGCAGAGATGAACACTCATTCAACAATTAAGGACATGGTGACCCAGGCA 204
DB 41 ProAsnValProGluAspGluThrLeuIleGlnIleLysAspMetValThrGlnAla 60

QY 205 TCTCTGTATCTGTTGAAGCTACAGAAAGCCATTTTATTTCAAAATGTTGCCATTTTG 264
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QY 265 ATTCTGAAACATGAAGCAAAAGGCTACTATGTAGACCAAAACTTGAGACCTACAAA 324
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QY 325 AATGCTGATGTTCTGTTGCTGAGTCTACTCTCCAGTGAATGATGAACCCCTACACTGAG 384
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QY 445 GGAATAAGTTAGCTGAATATGACCAACAAGTAGGCAATTTGTCCATGAGTGGCTCAT 504
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QY 505 CTACGATGGGAGTATTTGACGAGTACATAATATGATGAGAAATTTCTATTATCCCAATGGA 564
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QY 685 AAAGGATGTGATTGTTCTCAATCCCGCCAGAGGAGGCTTCTATATATGTTTGA 744
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QY 2065 GTTAAAGCAGCCAGCAGGAGATGATACCCAGCAGAGTGGAGCACTGTACATACCTGGC 2124
Db 681 ValAsnAlaAlaArgArgValIleProGlnGlnSerGlyAlaLeuTyrIleProGly 700
QY 2125 TGGATTGAGATGATGAATATACATGGAATCACCAAGACCTGAATTAATTAAGATGAT 2184
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QY 2185 GTTCAACAACAAGCAAGTGTCTTACAGACACATCTCGGAGGCTCATTTGGGCTCT 2244
Db 721 ValGlnHisLysGlnValCysPheSerArgThrSerGlyGlySerPheValAlaSer 740
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; Sequence 28, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; CURRENT FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 28
; LENGTH: 914
; TYPE: PRT
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; ORGANISM: Homo sapiens
US-09-193-562D-28
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Query Match: 88.35% Indels: 0
DB: 4 Gaps: 0
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US-09-049-696-20 (1-2983) x US-09-193-562D-28 (1-914)

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661 TyrPheThrThrTyrAspThrAsnGlyArgTyrSerValLysValArgAlaLeuGlyGly 680
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Db 741 AspValProAsnAlaProIleProAspLeuPheProGlyGlnIleThrAspLeuLys 760
QY 2305 GCGGAAATTCAGGGGGCAGTCTCTAATATCTGACTTGGACAGCTCTCTGGGATGATTAT 2364
Db 761 AlaGluIleHisGlyGlySerLeuIleAsnLeuThrTrpThrAlaProGlyAspAspTyr 780
QY 2365 GACCATGGAACAGCTCACAGTATATCATTCGAATTAAGTACAAAGTATTCTTGATCTCAGA 2424
Db 781 AspHisGlyThrAlaHisLysTyrIleIleArgIleSerThrSerIleLeuAspLeuArg 800
QY 2425 GACAAGTTCAATGAATCTCTCAAGTGAATACTACTCTCTCATCCCAAGGAAAGCCAAC 2484
Db 801 AspLysPheAsnGluSerLeuGlnValAsnThrThrAlaLeuIleProLysGluAlaAsn 820
QY 2485 TCTGAGGAAGTCTTTTCTTTAAACAGAAAACATTTACTTTTGAATGGACAGATCTT 2544
Db 821 SerGluGluValPheLeuPheLysProGluAsnIleThrPheGluAsnGlyThrAspLeu 840
QY 2545 TTCAATTGCTATTTCAGGCTGTTGATAAGTTCGATCTGAAATCAGAAATATCCAACTTCCA 2604
Db 841 PheIleAlaIleGlnAlaValAspLysValAspLeuLysSerGluIleAsnIleAla 860
QY 2605 CGAGTATCTTTGTTTATTTCCTCCACAGACTCGGCGAGACACCTAGTCTCTGATGAAACG 2664
Db 861 ArgValSerLeuPheIleProGlnThrProGluThrProSerProAspGluThr 880
QY 2665 TCTGCTCTCTGCTTAATATCATATCAACAGCACCATTTCTGGCATTACACATTTTAAA 2724
Db 881 SerAlaProCysProAsnIleHisIleAsnSerThrIleProGlyIleHisIleLeuLys 900
QY 2725 ATTATGTGGAAGTGGATGAGAGAACTGCAGCTGTCAATAGCC 2766
Db 901 IleMetTrpLysTrpIleGlyGluLeuGlnLeuSerIleAla 914

RESULT 3

US-09-623-624-2
; Sequence 2, Application US/09623624
; Patent No. 6576434

; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/09/623,624
; PRIOR FILING DATE: 2000-03-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23

; PRIOR APPLICATION NUMBER: US 08/697,471
 ; PRIOR FILING DATE: 1996-08-23
 ; PRIOR APPLICATION NUMBER: US 08/697,472
 ; PRIOR FILING DATE: 1996-08-23
 ; PRIOR APPLICATION NUMBER: US 08/697,473
 ; PRIOR FILING DATE: 1996-08-23
 ; PRIOR APPLICATION NUMBER: US 08/702,105
 ; PRIOR FILING DATE: 1996-08-23
 ; PRIOR APPLICATION NUMBER: US 08/702,110
 ; PRIOR FILING DATE: 1996-08-23
 ; PRIOR APPLICATION NUMBER: US 08/702,168
 ; PRIOR FILING DATE: 1996-08-23
 ; PRIOR APPLICATION NUMBER: US 08/980,872
 ; PRIOR FILING DATE: 1997-12-01
 ; NUMBER OF SEQ ID NOS: 18
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 2
 ; LENGTH: 913
 ; TYPE: PRT
 ; ORGANISM: Mus musculus
 ; US-09-623-624-2

Alignment Scores:

Pred. No.: 2,57e-310 Length: 913
 Score: 3856.50 Matches: 694
 Percent Similarity: 86.99% Conservative: 102
 Best Local Similarity: 75.85% Mismatches: 112
 Query Match: 67.96% Indels: 7
 DB: 4 Gaps: 4

US-09-049-696-20 (1-2983) x US-09-623-624-2 (1-913)

QY 25 ATGGGGCCATTAAAGAGTTCTGTGTTTCATCTTGATCTTTCACCTTCTAGAGGGGCGCTG 84
 Db 1 MetGluSerLeuLysSerProValPheLeuLeuLeuLeuHisLeuLeuGluGlyValLeu 20
 QY 85 AGTAATTCATCTCAGCTGAACAAACATGCTATGAAGGATTGCTGCTTCCATTCGAC 144
 Db 21 SerGluSerLeuLeuGlnLeuAsnAsnAsnGlyTyrGluGlyValLeuAlaLeuAsp 40
 QY 145 CCCAATGTGCCAGAGATGAACACATCTATTCAACAAATAAAGACATGCTGACCCAGGCA 204
 Db 41 HisAspValProGluAspGluAlaLeuLeuGlnHisLeuLysAspMetValThrGlnAla 60
 QY 205 TCTCTGTATCTCTTTAAGCTACAGAAAGCGATTTTATTTCAAAAATCTTGCCATTTTG 264
 Db 61 SerProTyrLeuPheGluAlaThrGlyLysAspGlyPheTyrPheLysAsnValAlaLeu 80
 QY 265 ATTCCTGAACATGAAGACAAAGGCTGACTATGTGAGACCAAACTTGAGACCTACAAA 324
 Db 81 IleProGluSerTrpLysAlaLysProGluTyrThrArgProLysLeuGluThrPheLys 100
 QY 325 ATGCTGTGTTCTGGTCTGAGTCTACTCTCCAGGTAAATGATCAACCCCTACACTGAG 384
 Db 101 AsnAlaAspValLeuValSerThrThrSerProLeuGlyAsnAspGluProTyrThrGlu 120
 QY 385 CAGATGGGCAACTGTGGAGAGAGGCTGAAAGGATCCACTCCTCCTCATTTTCATTGCA 444
 Db 121 HisIleGlyAlaCysGlyGluLysGlyIleArgIleHisLeuThrProAspPheLeuAla 140
 QY 445 GGAATAAGTTAGCTGAATPATGACACAAAGGTAGGCAATTTGTCATGAGTGGGCTCAT 504
 Db 141 GlyLysLysLeuThrGlnTyrGlyProGlnAspArgThrPheValHisGluTrpAlaHis 160
 QY 505 CTACCATGGGAGTATTTCACGAGTACATATATGATGAGAAATTTCTATTATCCATGGA 564
 Db 161 PheArgTrpGlyValPheAsnGluTyrAsnAsnAspGluLysPheTyrLeuSerLysGly 180
 QY 565 AGAATACAGCAGTAAAGTTTCAGCAGGTATTACTGGTACAAATGCTAGTAAAGAGTCT 624
 Db 181 LysProGlnAlaValArgCysSerAlaAlaIleThrGlyLysAsnGlnValArgGlyCys 200
 QY 625 CAGGAGGCGAGCTGTTACACCAA---AGATGCACATTCATAAAGTAACAGGACTCTAT 681

Db 201 GlnGlyGlySerCysIleThrAsnGlyLysCysValIleAspArgValThrGlyLeuTyr 220
 QY 682 GAAAAAGGATGTGAGTTTGTCTTCCAAATCCCGCCACGAGGAGGCTTCTTATAATGTTT 741
 Db 221 LysAspAsnCysValPheValProAspProHisGlnAsnGluLysAlaSerIleMetPhe 240
 QY 742 GCACAACATGTTGATTCTATAGTTGAATCTGTACAGAAACAAACACAAAGAGCT 801
 Db 241 AsnGlnAsnIleAsnSerValValGluPheCysThrGluLysAsnHisAsnGlnAla 260
 QY 802 CCAACACAGCAAAATCAAAATGCAATCTCCAAAGCACATGGGAAGTGTATCGTGAATCT 861
 Db 261 ProAsnAspGlnAsnGlnArgCysAsnLeuArgSerThrTrpGluValIleGlnGluSer 280
 QY 862 GAGGACTTTTAAGAAAAACCACTCTATGACAAACACAGCCACCAATCCCACTTCTCATTTG 921
 Db 281 GluAspPheLysGlnThrThrProMetThrAlaGlnProAlaProThrPheSerLeu 300
 QY 922 CTGCAGATTGGACAAAGAAATGTTGTGTTAGTCTTTCGACAAATCTCGAAGCATGGCGACT 981
 Db 301 LeuGlnIleGlyGlnArgIleValCysLeuValLeuAspLysSerGlySerMetLeuAsn 320
 QY 982 GGTAAACCCCTCAATCGACTGAATCAAGCAGGCCAGCTTTTCTGCTGCAGACAGTTGAG 1041
 Db 321 AspAspArgLeuAsnArgMetAsnGlnAlaSerArgLeuPheLeuLeuGlnThrValGlu 340
 QY 1042 CTGGGCTCTGGTGGGATGCTGATTTGACAGTCTGCCATGTACAAAGTGAACATC 1101
 Db 341 GlnGlySerTrpValGlyMetValThrPheAspSerAlaAlaTyrValGlnSerGluLeu 360
 QY 1102 ATACAGATAAACAGTGGCAGTCAAGGACACACATCTGCCAAAGATTAATCTCGCAGAGCT 1161
 Db 361 LysGlnLeuAsnSerGlyAlaAspArgLeuLeuIleLysHisLeuProThrValSer 380
 QY 1162 TCAGGAGGACCTCCATCTGCAGCGGCTTCGATCGGATTTTACTGTGATAGGAGAA 1221
 Db 381 AlaGlyGlyThrSerIleCysSerGlyLeuArgThrAlaPheThrValIleLysLys 400
 QY 1222 TATCAACTGATGGATCTGAAATTTGCTGCTGACGAGTGGGAGAACACACATATAAGT 1281
 Db 401 TyrProThrAspGlySerGluIleValLeuLeuThrAspGlyGluAspAsnThrIleSer 420
 QY 1282 GGGTCTTTAAACGAGGTCAAAACAAAGTGGTGCCATCATCCACAGCTCGCTTTGGGCCC 1341
 Db 421 SerCysPheAspLeuValLysGlnSerGlyAlaIleIleHisThrValAlaLeuGlyPro 440
 QY 1342 TCTGAGCTCAAGAACTAGAGGAGTGTCCAAATGACAGAGGTTTACAGACATATGCT 1401
 Db 441 AlaAlaAlaLysGluLeuGluGlnLeuSerLysMetThrGlyGlyLeuGlnThrTyrSer 460
 QY 1402 TCAGATCAAGTTTCAGAACAAATGGCTCATTTGATGCTTTTGGGCGCTTTCATCAGGAAAT 1461
 Db 461 SerAspGlnValGlnAsnAsnGlyLeuValAspAlaPheAlaLeuSerSerGlyAsn 480
 QY 1462 GGAGCTGTCTCTCAGCGCTCCATCCAGCTTGAGAGTAAGGATTAACCTCCAGAACAGC 1521
 Db 481 AlaAlaIleAlaGlnHisSerIleGlnLeuGluSerArgGlyValAsnLeuGlnAsnAsn 500
 QY 1522 CAGTGGATGAATGGCACAGTGTGTTGGACAGCACCGTGGGAAAGACACTTTGTTTCTT 1581
 Db 501 GlnTrpMetAsnGlySerValIleValAspSerSerValGlyLysAspThrLeuPheLeu 520
 QY 1582 ATCACTGGACAAACAGCGCTCCCAAAATCTTCTCTGGATGCCAGTCCAGACAGAACAA 1641
 Db 521 IleThrTrpThrHisProThrIlePheIleThrProAspProSerGlyValGluGln 540
 QY 1642 GGTGGCTTTGTAGTGGACAAAAACCAAAATGGCCCTACTCCAAATCCAGGCAATGCT 1701
 Db 541 AsnGlyPheIleLeuAspThrThrThrLysValAlaTyrLeuGlnValProGlyThrAla 560
 QY 1702 AAGTTGGCAGCTTGAATAATACAGTCTGCAAGCAAGCTCAAAACCTTGACCTGCTGTC 1761

561 LysValGlyPheTrpLysTyrSerIleGlnAlaSerSerGlnThrLeuThrLeuThrVal 580
 1762 ACCTCCCTGCGTCAATGCTACCTGCTCAATTAAGTCACTTCCAAACGACGAAG 1821
 581 ThrSerArgAlaAlaSerAlaThrLeuProPheThrValThrProValValAsnLys 600
 1822 GACACCAAGCAATCCCAAGCCTCTGGTAGTTTATGCAAAATATTCGCAAGGACCTCC 1881
 601 AsnThrGlyLysPheProSerProValThrValTyrAlaSerIleArgGlnGlyAlaSer 620
 1882 CCAATTCACGGCCAGTGTCAACCTGATGAATGAGTCAATGGAACAAACATTTACC 1941
 621 ProIleLeuArgAlaSerValThrAlaLeuIleGluSerValAsnGlyLysThrValThr 640
 1942 TTGGAACCTACTGGATAATGACGACGCTGCTACTACTAAGGACGCTGCTACTCA 2001
 641 LeuGluLeuLeuAspAsnGlyAlaGlyAlaAspAlaThrLysAsnAspGlyValTyrSer 660
 2002 AGGTATTTCAACAATTTATGACACGAATGTATGATACAGTGTAAAGTGGGCTCTGGGA 2061
 661 ArgPhePheThrAlaPheAspAlaAsnGlyArgTyrSerValLysIleTrpAlaLeuGly 680
 2062 GGAGTTAAACGACGACGAGAGTGTATACCCAGCAGAGTGGAGCACTGTACATACCT 2121
 681 GlyValThrSerArgGlnArgAlaAlaProProLysAsnArgAlaMetTyrIleAsp 700
 2122 GCCTGATGAGATGAGTAATACAAATGGAATCCACCAAGACCTGAAATTAATAGAT 2181
 701 GlyTrpIleGluAspGlyGluValArgMetAsnProProArgProGluThrSerTyr 719
 2182 GATGTTTCAACAACAGAGTGTGTTTTCAGCAACATCTCGGAGGCTCATTTTGGCT 2241
 720 ---ValGlnAspLysGlnLeuCysPheSerArgThrSerSerGlyGlySerPheValAla 738
 2242 TCTGATGTCCCA---AATGCTCCCACTACCTGATCTCTCCCACTGGCCAAATCACCGAC 2298
 739 ThrAsnValProAlaAlaAlaProIleProAspLeuPheProCysGlnIleThrAsp 758
 2299 CTGAAGGGGAAATTCACGGGGGAGTCTCATTAATCTGACTTGGACAGCTCTCTGGGAT 2358
 759 LeuLysAlaSerIleGlnGlyAsnLeuValAsnLeuThrTrpThrAlaProGlyAsp 778
 2359 GATTATGACCTGGAACAGCTCACAAATGATATCATTCGAATGATGATGATTTCTGAT 2418
 779 AspTyrAspHisGlyArgAlaSerAsnTyrIleIleArgMetSerThrSerIleValAsp 798
 2419 CTCAGAGCAAGTTCAATGAATCTCTTCAAGTGAATCTACTGCTCTCATCCCAAGGAA 2478
 799 LeuArgAspHisPheAsnThrSerLeuGlnValAsnThrThrGlyLeuIleProLysGlu 818
 2479 GCCAACTCTGACGAGTCTTTTGTGTTTAAACAGAAACATTTACTTTGAAATGCGACA 2538
 819 AlaSerSerGluGluIlePheGluPheGluLeuGlyGlyAsnThrPheGlyAsnGlyThr 838
 2539 GATCTTTTTCATGCTTATTCAGGCTGTGATAGGTCGATCTCAATCAGAAATATCCCAAC 2598
 839 AspIlePheIleAlaIleGlnAlaValAspLysSerAsnLeuLysSerGluIleSerAsn 858
 2599 ATTCACGAGTATCTTTGTTTATTCCTCCACAGACTCCGCCACAGACACCTAGTCTGAT 2658
 859 IleAlaArgValSerValPheIleProAlaGlnPro-----ProIleProGlu 875
 2659 GAAAGCTGTGCTTGTGCTTATTAATTAATTAATCAACAGCACCATTCTCGGCAATTCACAT 2718
 876 AspSerThrProProCysProAspIleSerIleAsnSerThrIleProGlyIleHisVal 895
 2719 TTAATAAATATCTGGAAGTGGATAGGAACTGCGAGCTGTCAATA 2763
 896 LeuLysIleMetTrpLysTrpLeuGlyGluMetGlnValThrLeu 910

RESULT 4

US-09-049-698-41

; Sequence 41, Application US/09049698

Patent No. 6368792
 GENERAL INFORMATION:
 APPLICANT: BILLING-MEDEL, PATRICIA A.
 APPLICANT: COHEN, MAURICE
 APPLICANT: COLPITTS, TRACEY L.
 APPLICANT: FRIEDMAN, PAULA N.
 APPLICANT: HAYDEN, MARK
 APPLICANT: KLASS, MICHAEL R.
 APPLICANT: ROBERTS-RAPP, LISA
 APPLICANT: RUSSELL, JOHN C.
 APPLICANT: STROUPE, STEPHEN D.
 TITLE OF INVENTION: REAGENTS AND METHODS FOR THE
 TITLE OF INVENTION: USEFUL FOR DETECTING DISEASES OF THE GASTROINTESTINAL
 TITLE OF INVENTION: TRACT
 NUMBER OF SEQUENCES: 51
 CORRESPONDENCE ADDRESS:
 ADDRESS: Abbott Laboratories
 STREET: 100 Abbott Park Road
 CITY: Abbott Park
 STATE: IL
 COUNTRY: USA
 ZIP: 60064-3500
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FastSeq for Windows Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/049,698
 FILING DATE:
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/828,856
 FILING DATE: 31-MAR-1997
 ATTORNEY/AGENT INFORMATION:
 NAME: Becker, Cheryl L.
 REGISTRATION NUMBER: 35,441
 REFERENCE/DOCKET NUMBER: 6068.US.P1
 TELEPHONE: 847/935-1729
 TELEFAX: 847/938-2623
 TELEX:
 INFORMATION FOR SEQ ID NO: 41:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 917 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: No. 6368792e
 US-09-049-698-41
 Alignment Scores:
 Pred. No.: 2,18e-241 Length: 917
 Score: 2866.50 Matches: 562
 Percent Similarity: 75.03% Conservative: 123
 Best Local Similarity: 61.56% Mismatches: 217
 Query Match: 53.28% Indels: 11
 DB: 4 Gaps: 8
 US-09-049-696-20 (1-2983) x US-09-049-698-41 (1-917)
 QY 25 ATGGGGCCATTAAAGATTCTGTTCATCTTGTATTCCTTACAGAGGGGCCCTG 84
 Db 1 MetGlyLeuPheArgGlyPheValPheLeuLeuValLeuCysLeuLeuHisGlnSer--- 19
 QY 85 AGTAATTCACCTCATTGACGCTGAACAAACAAATGGCTATGAAGGCAATTCGTTGCAATCGAC 144
 Db 20 AsnThrSerPheIleLysLeuAsnAsnGlyPheGluAspIleValIleValIleAsp 39
 QY 145 CCCAATGTGCCAGAGATGAACACTCATTCAACAAATAAGACATGTTGACCCAGCA 204
 Db 40 ProSerValProGluAspGluLysIleIleGluGlnIleGluAspMetValThrThrAla 59

QY 205 TCCTCTATCTGTTGCAAGCTACAGAAAGCGATTTTATTTCAAAATGTTGCCATTG 264
DB 60 SerThrTyrLeuPheGluAlaThrGluLysArgPhePhePheLeuValSerLeu 79
QY 265 ATTCTGAAACATGGAAGCAAGGCTGACTATGTGAGACCAAACTTCAGACCTACAAA 324
DB 80 IleProGluAsnTrpLysGluAsnProGlnTyrLysArgProLysHisGluAsnHisLys 99
QY 325 AATGCTGATGTTCTGTTGCTGCTGACTCTCTCCAGGTAAATGATGAACCTTACACTGAG 384
DB 100 HisAlaAspValIleValAlaProProThrLeuProGlyArgAspGluProTyrThrLys 119
QY 385 CAGATGGGCACTGTCGAGAGAAGGTGAAAGATCCACTCCTCTGATTTCAATGCA 444
DB 120 GlnPheThrGluCysGlyGluLysGlyIleHisPheThrProAspLeuLeu 139
QY 445 GGAATAAAGCTAGCTGAATATGACCAACAGAGTGGGCATTTGCTCCATCAGTGGGCTCAT 504
DB 140 GluLysLysGlnAsnGluTyrGlyProProGlyLysLeuPheValHisGluTrpAlaHis 159
QY 505 CTACGATGGGAGTATTTCAGCAGTACAATAATGATGAGAAATTCCTACTTATCCCAATGGA 564
DB 160 LeuArgTrpGlyValPheAspGluTyrAsnGluAspGlnProPheTyrArgAlaLysSer 179
QY 565 ---AGNATACAGCAGTAAGATGTTTCAGCAGGTATTACTGGTACAATAATGTATAAGAAG 621
DB 180 LysLysIleGluAlaThrArgCysSerAlaGlyIleSerGlyArgAsnArgValTyrLys 199
QY 622 TCTCAGGAGGAGCTGTTACACCAAAAGATGCACATTCATAAAGTACAGCAGCTCTAT 681
DB 200 CysGlnGlySerCysLeuSerArgAlaCysArgIleAspSerThrThrLysLeuTyr 219
QY 682 GAAAGAAGTGTGAGTTGCTTCTCCAAATCCCGCAGACGAGAGGCTTCTATAATGTTT 741
DB 220 GlyLysAspCysGlnPhePheProAspLysValGlnThrGluLysAlaSerIleMetPhe 239
QY 742 GCACAACATGTTGATTCATAGTTGAATTCGTACAGAACAAACACACAAAGAAGCT 801
DB 240 MetGlnSerIleAspSerValValGluPheCysAsnGluLysThrHisAsnGlnGluAla 259
QY 802 CCAACAAGCAAAATCAAAATGCAATCTCCAGGCACATGGGAGTGTGCTGATTC 861
DB 260 ProSerLeuGlnAsnIleLysCysAsnPheArgSerThrTrpGluValIleSerAsnSer 279
QY 862 GAGGACTTTAAGAAACCACTCTATGACAAACACAGCCACCAAAATCCCACTTCTCATG 921
DB 280 GluAspPheLysAsnThrIleProMetValThrProProProProValPheSerLeu 299
QY 922 CTGCAATGGGACAAAGATGTTGTTGTTGCTTGCCTGACAAATCTGGAAGCATGGCAGCT 981
DB 300 LeuLysIleSerGlnArgIleValCysLeuValLeuAspLysSerGlySerMetGlyGly 319
QY 982 GGTAAACCGCTCAATCGACTGAATCAGCAGCGCCAGCTTTTCTGCTGAGACAGTGTGAG 1041
DB 320 LysAspArgLeuAsnArgMetAsnGlnAlaLysHisPheLeuLeuGlnThrValGlu 339
QY 1042 CTGGGTCTGCTGGTGGGATGTGACATTTGACAGTGCTGCCCATGCAAAAGTGAACCTC 1101
DB 340 AsnGlySerTrpValGlyMetValHisPheAspSerThrAlaThrIleValAsnLysLeu 359
QY 1102 ATACAGATAAAGCAGTGGCAGTACAGGGGACACACTCGCCAAAAGATTAATCTGCAGCAGCT 1161
DB 360 IleGlnIleLysSerSerAspGluArgAsnThrLeuMetAlaGlyLeuProThrTyrPro 379
QY 1162 TCAGAGGAGCAGTCCATCTGACGCGGCTTCGATCGGCTTACTGTGATTAAGGAAGAAA 1221
DB 380 LeuGlyGlyThrSerIleCysSerGlyIleLysTyrAlaPheGlnValIleGlyGluLeu 399
QY 1222 TAT---CCAAGTATGATCTGAATTTGCTGCTGACCGGATGGGGAACACACACTATA 1278
DB 400 HisSerGlnLeuAspGlySerGluValLeuLeuLeuThrAspGlyGluAspAsnThrAla 419
QY 1279 AGTGGGTGCTTTAAGCAGGTCAAAAGTGGTGCCATCATCCACACAGCTCGTTGGGG 1338

DB 420 SerSerCysIleAspGluValLysGlnSerGlyAlaIleValHisPheIleAlaLeuGly 439
QY 1339 CCCTCTGAGCTGCAAGAACTCAGCAGGCTGTCCAAAATCAGCAGGAGTTTACAGACATAT 1398
DB 440 ArgAlaAlaAspGluAlaValIleGluMetSerLysIleThrGlyGlySerHisPheTyr 459
QY 1399 GCTTCAGATCAAGTTTCAGAACCAATGCGCTCATGTATGCTTTTGGGCGCTTTCATCAGA 1458
DB 460 ValSerAspGluAlaGlnAsnAsnGlyLeuIleAspAlaPheGlyAlaLeuThrSerGly 479
QY 1459 AATGAGCTGTCTCTCAGCGCTCCATCCAGCTTGAGAGTGAAGGATTAACCTCCAGAAC 1518
DB 480 AsnThrAspLeuSerGlnLysSerLeuGlnLeuGluSerLysGlyLeuThrLeuAsnSer 499
QY 1519 ACCAGTGTGATCAATGGCACAGTGTGTCGAGCAGCACCGTCGGAAAGGACACTTTGTTT 1578
DB 500 AsnAlaTrpMetAsnAspThrValIleIleAspSerThrValGlyLysAspThrPhePhe 519
QY 1579 CTTATCACCTGGACAAACGCGCTCCCAAAATCCTTCTCTGGATCCCCAGTGGACAGAA 1638
DB 520 LeuIleThrTrpAsnSerLeuProProSerIleSerLeuTrpAspProSerGlyThrIle 539
QY 1639 CAAAGTGGCTTTGATGTGAGCAAAAACACCAAAATGGCTACTCTCAAAATCCAGCAT 1698
DB 540 MetGluAsnPheThrValAspAlaThrSerLysMetAlaTyrLeuSerIleProGlyThr 559
QY 1699 GCTAAGTTGGCAGCTTGGAAATACAGCTGTGCAAGCAAGCTCA-----CAAACTTGACC 1752
DB 560 AlaLysValGlyThrTrpAlaTyrAsnLeuGlnAlaLysAlaAsnProGluThrLeuThr 579
QY 1753 CTGACTGTCCACGCTCCCGCTGCTCAATGCTACCTCCCTCCCAATTCAGTACTTCCAAA 1812
DB 580 IleThrValThrSerArgAlaAlaAsnSerSerValProProIleThrValAsnAlaLys 599
QY 1813 AGCAACAGGACACAGCAAAATCCCGAGCCCTCTGGTAGTTTATGCAAAATATTCGCCAA 1872
DB 600 MetAsnLysAspValAsnSerPheProSerProMetIleValTyrAlaGluIleLeuGln 619
QY 1873 GGAGCTCCCAATCTCTCAGGCGCAGTGTACAGCCCTGATTGAATCAGTGAATGAAAA 1932
DB 620 GlyTyrValProValLeuGlyAlaAsnValThrAlaPheIleGluSerGlnAsnGlyHis 639
QY 1933 ACAGTTACCTCTGGAACTACTGTGATAATGAGCAGGTGCTGTACTTAAAGATGACGCT 1992
DB 640 ThrGluValLeuGluLeuAspAsnGlyAlaGlyAlaAspSerPheLysAsnAspGly 659
QY 1993 GTCTACTAGGTATTTCAAACTTATGACAGAAATGGTAGATACAGTGTAAAGTGGCG 2052
DB 660 ValTyrSerArgTyrPheThrAlaTyrThrGluAsnGlyArgTyrSerLeuLysValArg 679
QY 2053 GCTCTGGGAGGAGTTAAACGACGAGCAGAGTATACCCAGCAGATGATACCCAGAGTGGAGCACTG 2112
DB 680 AlaHisGlyGlyAlaAsnThrAlaArgLeuLysLeuArgProProLeuAsnArgAlaAla 699
QY 2113 TACATACCTCTGGCTGGAATGATGAAATACAAATGGAATCCCAAGACCTGAAAT 2172
DB 700 TyrIleProGlyTrpValValAsnGlyGluIleGluAlaAsnProProArgProGluIle 719
QY 2173 AATAAGGATGATGTTCAACACAGCAAGTGTGTTTTCAGCAGAACATCTCTGGGAGGCTCA 2232
DB 720 Asp---GluAspThrGlnThrThrLeuGluAspPheSerArgThrAlaSerGlyGlyAla 738
QY 2233 TTTGTGGCTTCTGATGTCCTCCAAATGCTCCCATCTGATCTCTTCCCACTGGCCAAATC 2292
DB 739 PheValValSerGlnValProSerLeuProLeuProAspGlnTyrProProSerGlnIle 758
QY 2293 ACCGACCTGAAGCGGCAAAATTCACGGGGCAGTCTCATTAATCTGACTGGACAGCTCT 2352
DB 759 ThrAspLeuAspAlaThrValHisGluAspLysIleIle---LeuThrTrpThrAlaPro 777
QY 2353 GGGGATGATTATGACCATGGAAACAGCTCAAGATATATCATTCGAATAGTACAAGTATT 2412

Db 420 GluIleHisSerCysIleGluGluValLysGlnSerGlyValIleHisThrValAla 439
QY 1333 TTGGGGCCCTCTGAGCTCAAGACTAGAGGAGCTGTCCAAATGACAGAGGTTTACAG 1392
Db 440 LeuGlyProSerAlaAlaLysGluLeuGluThrLeuSerAspMetThrGlyGlyHisArg 459
QY 1393 ACATATGCTTCAGATCAAGTTCAGAACATGCGCTCATGATGCTTTTGGGCCCTTTCA 1452
Db 460 PheTyrAlaAsnLysAspIle-----AsnGlyLeuThrAsnAlaPheSerArgIleSer 477
QY 1453 TCAGGAATGAGGCTGTCTCTCAGGCTCCATCCAGCTTGCAGAGTAAGGATTAACCCCTC 1512
Db 478 SerArgSerGlySerIleThrGlnThrIleGlnLeuSerLysAlaLeuAlaIle 497
QY 1513 CAGAACAGCCAGTGAATGCGCAGTGTGCGAGCAGCAGCGTGGGAAGGACACT 1572
Db 498 ThrGluLysLysTyrValAsnGlyThrValProValAspSerThrIleGlyAsnAspThr 517
QY 1573 TTGTTTCTTATCCTGGAACAGGCTCCCAATCTCTCTGGGATCCAGTGA 1632
Db 518 PhePheValValThrTrpThrIleLysLysProGluIleLeuLeuGlnAspProLysGly 537
QY 1633 CAG-----AACCAAGGTGCTTTGTAGTGGACAAA---AACACCAAAATGCGCTACCTC 1683
Db 538 LysLysTyrLysThrSerAspPheLysGluAspLysLeuAsnIleHisSerAlaArgLeu 557
QY 1684 CAAATCCCAAGGATTCGTAAGGTGGCACTTGGAAATACAGTCTG-----CAAGCA 1734
Db 558 ArgIleProGlyIleAlaGluThrGlyThrTrpThrTyrSerLeuLeuAsnHisAla 577
QY 1735 AGCTCAAAACCTTGACCTGTACTGTCAGTCCGTCGTCGTCGTCGTCGTCGTCGTCGTC 1794
Db 578 SerProGlnIleLeuThrValThrValThrArgAlaArgSerProThrThrProPro 597
QY 1795 ATTACAGTGCATTCACAAACGACAGGACACCAAAATCCCGAGCCTCTGTGTAGTT 1854
Db 598 ValThrAlaThrAlaHisMetAsnGlnAsnThrAlaHisTyrProSerProValIleVal 617
QY 1855 TATGCAATATTCGCAAGGAGCCTCCCAATCTCAGGCGCAGTGTACAGCCCTGATT 1914
Db 618 TyrAlaGlnValSerGlnGlyPheLeuProValLeuGlyIleAsnValThrAlaIleIle 637
QY 1915 GAATCAGTGAATGGAACACAGTTCCTTGGAACTACTGGAATGAGCAGGCTGTGAT 1974
Db 638 GluThrGluAspGlyHisGlnValThrLeuGluLeuThrAspAsnGlyAlaGlyAlaAsp 657
QY 1975 GCTACTAGGATGAGGCTGTCTACTCAAGTATTTTCAACTATACAGCAAGTGTGATA 2034
Db 658 AlaThrLysAspAspGlyValTyrSerArgTyrPheThrThrTyrAspThrAsnGlyArg 677
QY 2035 TACAGTGTAAAGTGGGCTCTGGGAGGAGTTAAAGCAGCAGGAGAGTGTATACCC 2094
Db 678 TyrSerValLysValHisAlaGluAlaArgAsnAsnThrAlaArgLeuSerLeuArgGln 697
QY 2095 CAGCAGAGTGGAGCAGTGTACATACCTGCTGGATGAGATGATGAATACAAATGGAAT 2154
Db 698 ProGlnAsnLysAlaLeuTyrIleProGlyTyrIleGluAsnGlyLysIleLeuAsn 717
QY 2155 CCACCAAGACCTGGAATTAATAGGATGATTTCAACACCAAGCAAGTG---TGTTTCAGC 2211
Db 718 ProProArgProGluVal---LysAspAspLeuAlaLysAlaGluIleGluAspPheSer 736
QY 2212 AGAACATCTCGGAGGCTCATTTGGGCTTCTGATGTCCCAATGCTCCCATACCTGAT 2271
Db 737 ArgLeuThrSerGlySerPheThrValSerGlyAlaProProGlyAsnHisProSer 756
QY 2272 CTCCTTCCCACTGGCCAAATACCGACCTGAAGGCG-----GAAATTCACGGGGC 2322
Db 757 ValLeuProProAsnLysIleThrAspLeuGluAlaLysPheLysGluAspHis----- 774
QY 2323 AGTCTCATTAATCTGACTTGGACAGCTCTCTGGGATGATTATGACCATGGAACGCTCAC 2382
Db 775 -----IleGlnLeuSerTrpThrAlaProAlaAsnValLeuAspLysGlyLysAlaAsn 792

QY 2383 AAGTATATCATTCGAATAAGTACAAGATATTTGTGATCTCAGACAGCAAGTTCATGAATCT 2442
Db 793 SerTyrIleIleArgIleSerLysSerPheLeuAspLeuGlnLysAspPheAsnAla 812
QY 2443 CTTCAAGTGAATACTACTGCTCTCATCCCAAGGAGCAACTCTGAGGAAGTCTTTTG 2502
Db 813 ThrLeuValAsnThrSerSerLeuLysProLysGluAlaGlySerAspGluAsnPheGlu 832
QY 2503 TTAAACACGAGAAACATTACTTTTGAATAATGCACAGATCTTTTCACTCTTATCAGGCT 2562
Db 833 PheLysProGluProPheArgIleGluAsnGlyThrAsnPheTyrIleAlaValGlnAla 852
QY 2563 GTTGATTAAGTGTGATCTGAATATCAAAATATCAACATTCGACGAGTATCTTTGTTTAT 2622
Db 853 IleAsnGluAlaAsnLeuThrSerGluValSerAsnIleAlaGlnAlaIleLysPheIle 872
QY 2623 CTTCCACAGACTCCCGCCAGACACACTAGTCTCT 2655
Db 873 Pro-----MetProGluAspSerValPro 880

RESULT 6

US-09-623-624-18
; Sequence 18, Application US/09623624
; Patent No. 6576434
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders

; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/09/623,624
; CURRENT FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,472
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,110
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,168
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/980,872
; PRIOR FILING DATE: 1997-12-01
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 18
; LENGTH: 903
; TYPE: PRT
; ORGANISM: Bos taurus
US-09-623-624-18

Alignment Scores:
Pred. No.: 1,08e-201 Length: 903
Score: 2411.50 Matches: 483
Percent Similarity: 70.3% Conservative: 144
Best Local Similarity: 54.21% Mismatches: 239
Query Match: 44.82% Indels: 25
DB: 4 Gaps: 13

US-09-049-696-20 (1-2983) X US-09-623-624-18 (1-903)

Qy	25	ATGGGGCCATTTAAGAGTTCTGTGTTGTCATCTTGATCTTTCACCTTCTAGAAAGGGGCCCTG	84
Db	1	MetValProArgLeuThrValIleLeuPheLeuThrLeuHisLeuLeuLeuProGly--Met	19
Qy	85	AGTAATTCACCTCATTTCAGCTGAACACAAATGGCTATGAAGCCATTTGCTGTGCAATCGAC	144
Db	20	LysSerSerMetValAsnLeuIleAsnAsnGlyTyrAspGlyIleValIleAlaIleAsn	39
Qy	145	CCCAATGTGCCAGAAGATGAACACTCATTTCAACAAATAAAGGACATGGTGACCCAGCCA	204
Db	40	ProSerValProGluAspGluLeuIleGlnAsnIleLeuMetValThrGluAla	59
Qy	205	TCTCTGTATCTGTTTGAAGCTACAGGAAAGCGATTTTATTTCAAAAATGTTGCCATTTTG	264
Db	60	SerThrTyrLeuPheHisAlaThrLysArgArgValTyrPheArgAsnValSerIleLeu	79
Qy	265	ATTCCTGAAACATCGAAGACAAAAGCGCTGACTATGTGAGACCAAAACCTTGAGACCTACAAA	324
Db	80	IleProMetThrTrpLysSerLysSerGluTyrLeuMetProLysGlnGluSerTyrAsp	99
Qy	325	AATCCTGATGTTCTGGTTGCTGAGTCTACTCTCCAGGTAAATGATGAACCCCTACACTGAG	384
Db	100	GlnAlaGluValIleValAlaAsnProTyrLeuLysHisGlyAspAspProTyrThrLeu	119
Qy	385	CAGATGGCAACTCTGGAGAGAGAGGGTGAAGGATCCACCTCCTCTGATTTTCATTGCA	444
Db	120	GlnTyrGlyArgCysGlyGluLysGlyGlnTyrIleHisPheThrProAsnPheLeuLeu	139
Qy	445	GGAAAAAGTTAGCTGAATATGGACCAACAAGTAGGCGCATTTGTCCATAGTGGGCTCAT	504
Db	140	ThrAsnAsnLeuProIleTyrGlySerArgGlyArgAlaPheValHisGluTrpAlaHis	159
Qy	505	CTACGATGGGGAGTATTGTGACGAGTACAATTAATCATGAGAAATCTCTACTATCC--AAT	561
Db	160	LeuArgTrpGlyIlePheAspGluTyrAsnGlyAspGlnProPheTyrIleSerArgArg	179
Qy	562	GGAGAATACAAGCAGTAAGAATGTTCTACGACAGGTATTACTGTGCAAAATGTAGTAAAGAAG	621
Db	180	AsnThrIleGluAlaThrArgCysSerThrHisIleThrGlyThrAsnValIleValLys	199
Qy	622	TGTGAGGAGGCGAGCTGTACACCAAAAGATGCATTCATTAATGAATGTAACAGGACTCAT	681
Db	200	CysGlnGlySerCysIleThrArgProCysArgArgAspSerGlnThrGlyLeuTyr	219
Qy	682	GA AAAAGGATGTGATTTGTTTCTCCAAATCCCGCCAGACGGAGGCTTCTATAATGTTT	741
Db	220	GluAlaLysCysThrPheIleProGluLysSerGlnThrAlaArgGluSerIleMetPhe	239
Qy	742	GCACAACATGTTGATTTCTATAGTTTGAATTTCTGTACAGAACAAAAACCAACAAGAAGCT	801
Db	240	MetGlnSerLeuHisSerValThrGluPheCysThrGluLysThrHisAsnValGluAla	259
Qy	802	CCAAACAAGCAAAATCAAAAATGCAATCTCGAAGCACATGGGAAGTGATCCCGTATCTCT	861
Db	260	ProAsnLeuGlnAsnLysMetCysAsnGlyLysSerThrTrpAspValIleMetAsnSer	279
Qy	862	GAGACATTTTAAGAAAAACCACTCTCTATGACA-----ACACAGCCACCAAAATCCCACCTTC	915
Db	280	ThrAspPheGlnAsnThrSerProMetThrGluMetAsnProProThrGlnProThrPhe	299
Qy	916	TCATTGCTGCAGATTGGACAAAGAATTTGTGTTTGTAGTCTCTTGACAAATCTGGAAAGCATG	975
Db	300	SerLeuLeuLysSerLysGlnArgValValCysLeuValLeuAspLysSerGlySerMet	319
Qy	976	GCAGCTGGTAACCCGCTCAATTCGACTGAATCAACAGCCAGCGAGCTTTTCTCTGCTGCAGACA	1035
Db	320	SerSerGluAspArgPheArgPheArgGlnAlaIleGluLeuPheLeuIleGlnIle	339
Qy	1036	GTTGAGCTGGGGTCTCTGGTTGGATGGTGCATTTGCAGTGTCTGCCCATGTACAAAGT	1095
Db	340	IleGluLysGlySerLeuValGlyMetValThrPheAspSerValAlaGluIleArgAsn	359

QY	1096	GAACTCATACAGATAAACAAGTGGCAGGTGACAGGACACATCCGCCAAAAGATTACTCTGCA	1155
Db	360	AsnLeuThrLysIleThrAspAspAsnValTy-GluAsnIleThrAlaAsnLeuProGln	379
QY	1156	GCAGCTTCAGGAGGCGCTCATCTGCGAGCGGGCTTCGATCGGCATTT---ACTGTGATT	1212
Db	380	GluAlaAsnGlyThrSerIleCySarGlyLeuLysAlaGlyPheGlnAlaIlelle	399
QY	1213	AGGAAGAANTATCCAACGTATGGATCTCGAAATTTGTCTGCTGACGGATGGGGAAGACAAC	1272
Db	400	GlnSerGlnGlnSerThrSerGlySerGluIlelleLeuLeuThrAspGlyGluAspAsn	419
QY	1273	ACTATAGTGGGTCTTTAACGAGGTCAAACAAGTGCTGCCATCATCCACACAGTCGCT	1332
Db	420	GluIleHisSerCyIleGluGluValLysGlnSerGlyValIlelleHisThrIleAla	439
QY	1333	TTGGGGCCCTCTGCGAGCTCAAGAACTAGAGGAGCTGTCCAAAAATGACAGAGAGTTTACAG	1392
Db	440	LeuglyProserAlaAlaLysGluLeuGluThrLeuSerAspMetThrGlyGlyHisArg	459
QY	1393	ACATATGCTTCAGATCAAGTTTCAGAACATGAGCTCATTTGATGCTTTTGGGGCCCTTCCA	1452
Db	460	PheTyralaAsnLysAspIle-----AsnGlyLeuThrAsnAlaPheSerArgIleSer	477
QY	1453	TCAGGAATCGAGCTGCTCTCGAGCGTCCATCCAGCTTCAGAGTAGGAGGATTAAACCCTC	1512
Db	478	SerArgSerGlySerIleThrGlnGlnIlelleGlnLeuGlnSerLysAlaLeuAlaIle	497
QY	1513	CAGAACAGCCAGTGGATGAATGGCACAGTATCGTGACAGCACCGCTGGGAAAGGACACT	1572
Db	498	ThrGluLysLysTpValAsnGlyThrValproValAspSerThrIleGlyAsnAspThr	517
QY	1573	TGTGTTCTTATCACCTGGACAAACGACGCTCCCCAAATCCTTCTCTGGGATCCCAGTGA	1632
Db	518	PhePheValValThrTrpThrIleLysLysProGluIleLeuLeuGlnAspProLysGly	537
QY	1633	CAG-----AAGCAAGGTGGCTTTGATGTCGACAAA---AACACCAAAATGGCGCTACCTC	1683
Db	538	LysLysTyrlsYsThrSerAspPheLysGluAspLysLeuAsnIleHisSerAlaArgLeu	557
QY	1684	CAATCCAGGCATTTGTAAGTTGGCACTTGGAAATACAGTCTG-----CAAGCA	1734
Db	558	ArgileProGlyIleAlaGluThrGlyThrTrpThrTyrsSerLeuLeuAsnHisAla	577
QY	1735	AGCTCACAAACCTTGACCTGACTGTCCAGCTCCGCTGCGTCCAAATGCTACCTGCCTCCA	1794
Db	578	SerProGlnIleLeuThrValThrValThrArgAlaArgSerProThrThrProPro	597
QY	1795	ATTACAGTACTTCCAAAACGAAACAGGACACAGCANAATTCGCCAGCCCTCTGGTAGTT	1854
Db	598	ValThrAlaThrAlaHisMetSerGlnAsnThrAlaHisTyrsProSerProValIleVal	617
QY	1855	TATCCAATATTCCCAAGAGGCTCCCCAAATTCCTCAGGCGCAGTGTACAGACCCCTGATT	1914
Db	618	TyrAlaGlnValSerGlnGlyPheLeuProValLeuGlyIleAsnValThrAlaIlelle	637
QY	1915	GAATCAGTGAATGAAAAACAGTTTACCTTCGAACTACTGCTAATGAGCAGAGTGTGTAT	1974
Db	638	GluThrGluAspGlyHisGlnValThrLeuGluLeuThrAspAsnGlyAlaGlyAlaAsp	657
QY	1975	GCTACTAAGAGATGACGGTGTCTACTCAAGGTATTTCAACCTTATGACAGAATGGTAGA	2034
Db	658	ThrValLysAsnAspGlyIleTyrsSerArgTy-PheThrAspTyrsArgGlyAsnGlyArg	677
QY	2035	TACAGTGTAAAATGCGGGCTCTGGGAGGAGTTAAACGACCCAGACGGAGGTATACCC	2094
Db	678	TyrsSerLeuLysValHisAlaGluAlaArgAsnAsnThrAlaArgLeuSerLeuArgGln	697
QY	2095	CAGCAGAGTGGACACTGTATACATCTCGCTGGATTGAGAATGATGAATACAAATGGAAT	2154
Db	698	ProGlnAsnLysAlaLeuTyrlleProGlyTyrlleGluAsnGlyLysIlelleLeuAsn	717

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QY 2155 CCACCAAGACCTGGAATTAATAGGATGATGTTCAACACAGCAAGTGT---TGTTTCAGC 2211
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
718 ProProArgProGluVal---LysAspAspLeuAlaLysAlaGluLeuGluAspPheSer 736
QY 2212 AGAACATCTCGGAGGCTCATTTGGCTTCTGATGTCCTCCAAATGCTCCCATACCTGAT 2271
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
737 ArgLeuThrSerGlyGlySerPheThrValSerGlyAlaProProGlyAsnHisProSer 756
QY 2272 CTCCTCCACCTGGCCAAATCACCGACCTGGAAGCGC-----GAAATTCACGGGGGC 2322
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
757 ValLeuProProAsnLysIleLeuAspLeuAlaLysPheLysGluAspHis----- 774
QY 2323 AGTCTCATTAATCTGACTTGGACAGCTCTGGGGATGATTATGACCATGGAACAGCTCAC 2382
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
775 -----IleGlnLeuSerTrpThrAlaProAlaAsnValLeuAspLysGlyLysAlaAsn 792
QY 2383 AAGTATATCATTCGAATAGTCAAGTATTCTTGATCTCAGACAGATTCATGAATCT 2442
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
793 SerTyriLeuIleArgIleSerLysSerPheLeuAspPheGlnLysAspPheAsnAla 812
QY 2443 CTTCAAGTGAATACTACTGCTCTCATCCCAAGGAAGCCAACTCTCAGGAAGTCTTTTG 2502
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
813 ThrLeuValAsnThrSerSerLeuLysProLysGluAlaGlySerAspGluAsnPheGlu 832
QY 2503 TTAAACCAAGAAACATTAATCTTTGAAATGGCACAGATCTTTTATGCTATTACAGCT 2562
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
833 PheLysProGluProPheArgIleGluAsnGlyThrAsnPheTyriLeuAlaValGlnAla 852
QY 2563 GTTGATAAGTGCATCTGAAATCAGAAATATCAACATTCAGCAGTATCTTTGTTTATT 2622
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
853 IleAsnGluAlaAsnLeuThrSerGluValSerAsnIleAlaGlnAlaIleLysPheIle 872
QY 2623 CCTCCACAGACTCCGCCAGACACACCTAGTCTCT 2655
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
873 Pro-----MetProGluAspSerValPro 880

RESULT 7
US-09-193-562D-2
; Sequence 2, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; FILE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; CURRENT FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 2
; LENGTH: 905
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Lu-ECAM-1 precursor from bovine endothelial cells
US-09-193-562D-2

Alignment Scores:
Pred. No.: 2,09e-194 Length: 905
Score: 2328.00 Matches: 465
Percent Similarity: 69.84% Conservative: 144
Best Local Similarity: 53.33% Mismatches: 247
Query Match: 43.27% Indels: 16
DB: 4 Gaps: 11

US-09-049-696-20 (1-2983) x US-09-193-562D-2 (1-905)
QY 46 GTGTTTCATCTGTTTACCTCTTCTAGAGGGCCCTGAGTAATTCATCTTCATTCAGCTG 105
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
8 IleLeuPheLeuThrLeuHisLeuLeuProGly---MetLysSerSerMetValLeuLeu 26
QY 106 AACAAATGGCTATGAAGGCTTGTGTTGCAATCGACCCCAATGTGCCAGAAATGAA 165
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Db 27 IleAsnAsnGlyTyraaspGlyIleValIleAlaIleAsnProSerValProGluAspGlu 46
QY 166 ACACCTCATTCAACAATAAAGACATGGTGACCCAGGCATCTCTGTATCTGTTTGAAGCT 225
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
47 LysLeuIleGluAsnIleLysGluMetValThrGluAlaSerThrTyriLeuPheHisAla 66
QY 226 ACAGGAAACCGATTTTATTTCAAAATGTTGCCATTTTTCATCTCCTGAAACATCGAAGACA 285
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
67 ThrLysArgValTyriPheArgAsnValSerIleLeuIleProMetThrTyriLysSer 86
QY 286 AAGGCTGACTATGTGAGACAAACATTTGAGACCTACAAAATGCTGCTATGTTCTGGTGTCT 345
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
87 LysSerGluTyriPheIleProLysGlnGluSerTyriAspGlnAlaAspValIleValAla 106
QY 346 GAGTCTACTCTCCAGGTAATGATGAACCTACACCTGAGCAGATGGCAACTCTGCGAGAG 405
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
107 AsnProTyriLeuLysTyriGlyAspAspProTyriThrLeuGlnTyriGlyArgCysGlyGlu 126
QY 406 AAGGTTGAAGAGTCCACCTCCTGCTGATTTTCATTCAGGAGAAAAGTTAGCTGAATAT 465
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
127 LysGlyLysTyriIleHisPheThrProAsnPheLeuLeuThrAsnAsnPheHisIleTyri 146
QY 466 GGACCAACAGGTAGGCATTTGTCATGAGTGGGCTCATCTACGATGGGGAGTATTTGAC 525
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
147 GlySerArgGlyArgValPheValHisGluTrpAlaHisLeuArgTrpGlyIlePheAsp 166
QY 526 GAGTCAATAATGATGAGAAATTTCTACTTATCC---AATGGAAGAATAACAAGCAGTAAGA 582
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
167 GluTyriAsnValAspGlnProPheTyriIleSerArgLysAsnThrIleGluAlaThrArg 186
QY 583 TGTTCCAGCAGGTATTACTGTGTACAAATGTAGTA---AAGAAGTGTCCAGGAGGCAGCTGT 639
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
187 CysSerThrHisIleThrGlyIleAsnValPheLysLysCysProGlyGlySerCys 206
QY 640 TACACCAAAAGATGCACATTCAATAAAGTAACAGGACTCTATGAAAAGAGTGTGAGTTT 699
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
207 IleThrSerLeuCysArgArgAspSerGlnThrGlyLeuTyriGluAlaLysCysThrPhe 226
QY 700 GTTCTCCAATCCGCCAGACGAGAGGCTTCTATAATGTTTTCACACACATGTTGATCT 759
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
227 LeuProLysLysSerGlnThrAlaLysGluSerIleMetPheMetProSerLeuHisSer 246
QY 760 ATAGTTGAATCTGTAGCAGACAAACCAACCAAGAGAGCTCCAAACAGCAAAATCAA 819
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
247 ValThrGluPheCysThrGluLysThrHisAsnThrGluAlaProAsnLeuGlnAsnLys 266
QY 820 AAATGCAATCTCCGAAGCAGCATGGGAAGTGTGTCGTCGTCGACAGCTTTTAAGAAACC 879
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
267 MetCysAsnGlyLysSerThrTrpAspValIleMetAsnSerValAspPheGlnAsnThr 286
QY 880 ACTCTCTATGACA-----ACACAGCCCAAAATCCACCTTCTCATTTGTCGACAGTTGA 933
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
287 SerProMetThrGluMetAsnProProThrThrHisProThrPheSerLeuLeuLysSerLys 306
QY 934 CAAAGAAATGTGTTTGTAGTCTTCACAATCTGGAAGCATGCGCAGCTGGTAACCCCTC 993
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
307 GlnArgValValCysLeuValLeuAspLysSerGlySerMetSerAlaGluAspArgLeu 326
QY 994 AATCGACTGAATCAAGCAGCGCCAGCTTTTCTGTCGACAGACTGTAGCTGGGGCTCTGG 1053
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
327 PheGlnMetAsnGlnAlaGluLeuTyriLeuIleGlnValIleGluLysGlySerLeu 346
QY 1054 GTTGGGATGTCACATTTGACAGTGTGCCATGTCTACAAAGTGAAGTCACTACAGATAAAC 1113
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
347 ValGlyMetValThrPheAspSerValAlaGluIleGlnAsnHisLeuThrArgIleThr 366
QY 1114 AGTGGCAGTGACAGGACACACTCGCCAAAAGATTACCTGCGACGACTTCAGAGGAGCG 1173
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
367 AspAspAsnValTyriGlnLysIleThrAlaLysLeuProGlnValAlaAsnGlyGlyThr 386
QY 1174 TCCATCTCGCGGCTTCGATCGGCATTT---ACTGTGATTAGGAAGAAATATCCAACCT 1230
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
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Db 387 SerIleCysArgGlyLeuLysAlaGlyPheGlnAlaIleHisSerAspGlnSerThr 406
QY 1231 GATGATCTGAATTTCTGCTGCGGATGGGAGACAACTATAGTGGGCTTT 1290
Db 407 SerGlySerGluIleLeuLeuThrAspGlyGluAspAsnGluIleAsnSerCysPhe 426
QY 1291 AACGAGGTCAAAAGAGTGGTCCATCCACACAGTGCCTTTGGGCGCTCTCGACGT 1350
Db 427 GluAspValLysArgSerGlyAlaIleHisThrIleAlaLeuGlyProSerAlaIle 446
QY 1351 CAAGAACTAGAGAGGTGTCAAAATGACAGAGAGGTTCACAGACATATGCTTCAGATCAA 1410
Db 447 LysGluLeuGluThrLysSerAsnMetThrGlyGlyTyrArgPhePheAlaLysAsp 466
QY 1411 GTTCAGAAATGGCTCATTCATGCTTTGGGCGCTTCATCAGAAATGGAGCTGTC 1470
Db 467 Ile-----ThrGlyLeuThrAsnAlaPheSerArgIleSerArgSerGlySerIle 484
QY 1471 TCTCAGCGCTCCATCCAGCTTCAGAGTAAGGATTAAACCTCCAGAACAGCGAGTGGATG 1530
Db 485 ThrGlnGlnAlaIleGlnLeuGluSerLysAlaLeuLysIleThrGlyArgLysArgVal 504
QY 1531 AATGGCAGTGAATCGTGACGACCGGTGGGAAAGGACACTTTGTTCTTATCAGCTGG 1590
Db 505 AsnGlyThrValProValAspSerThrValGlyAsnAspThrPhePheValThrTrp 524
QY 1591 ACAACGCGCTCCCAATCTCTCTCGGATCCAGTGGACAG-----AAGCAAGT 1644
Db 525 ThrIleGlnLysProGluIleValLeuGlnAspProLysGlyLysLysTyrLysThrSer 544
QY 1645 GCCTTTGTAGTGGACAAA---AACCAAAATGGCTTCTCCAAATCCAGCGCATTTGCT 1701
Db 545 AspPheLysGluAspLysLeuAsnIleArgSerAlaArgLeuGlnIleProGlyIleAla 564
QY 1702 AAGTTGGCAGCTTGGAAATACAGTCTG-----CAAGCAAGTCAAAACCTTGACC 1752
Db 565 GluThrGlyThrTrpThrTyrSerLeuLeuAsnAsnHisAlaSerSerGlnMetLeuThr 584
QY 1753 CTGACTGTACGCTCCGCTGCTCAATGCTACCTGCTCCCAATACAGTACTTCCAA 1812
Db 585 ValThrValThrArgAlaArgSerProThrIleProProValIleAlaThrAlaHis 604
QY 1813 ACGAAACAGGACACAGCAAAATCCCGCCCTCTGTAGTATTTATGCAAAATTCGCCAA 1872
Db 605 MetSerGlnHisThrAlaHisTyrProSerProMetIleValTyrAlaGlnValSerGln 624
QY 1873 GGAGCTCCCAATTTCTAGGCGCAGTGTCAAGCGCTGATTAATCAATGAAATGAA 1932
Db 625 GlyPheLeuProValLeuGlyIleSerValIleAlaIleIleGluThrGluAspGlyHis 644
QY 1933 ACAGTTACCTTGGAACTACTGTAATGAGGAGTGGCTGCTACTACTAAGGATGACCGT 1992
Db 645 GlnValThrLeuGluLeuThrAspAsnGlyAlaGlyArgAspThrValLysAsnAspGly 664
QY 1993 GTCTACTCAAGGTATTTCACAACTTATGACGAATGGTAGATACAGTGTAAAGTGGCG 2052
Db 665 IleTyrSerArgTyrPheThrAspTyrTyrGlyAsnGlyArgTyrSerLeuLysValHis 684
QY 2053 GCTCTGGGAGGAGTTAAACGACGACGAGAGTGAATCCCGCAGAGTGGAGCAGCTG 2112
Db 685 AlaGlnAlaArgAsnAsnThrAlaArgLeuAsnLeuArgGlnProGlnAsnLysValLeu 704
QY 2113 TACATACCTGGCTGGATTGAGATGATGAATACAAATGGAATCCACAGAGCTGAAT 2172
Db 705 TyrValProGlyTyrValGluAsnGlyLysIleLeuAsnProProArgProGluVal 724
QY 2173 AATAAGGATGATGTTCAACACAGCAAGTGTCTTTCAGCAGACATCTCTCGGAGGCTCA 2232
Db 725 LysAspAspLeuAlaLysAlaLysIleGluAspPheSerArgLeuThrSerGlyGlySer 744
QY 2233 TTTTGGCTTCTGATGTC---CCAAATGCTCCCATCTGATCTCTTCCCACTGGCCAA 2289
Db 745 PheThrValSerGlyAlaProProGlyAsnHisProSerValPheProProSerLys 764

QY 2230 ATCACCGACCTGAAGCGGAAATTCACGGGGCAGTCTCATTAATCTGACTTGGACAGCT 2349
Db 765 IleThrAspLeuGluAlaLysPheLys---GluAspTyrIleGlnLeuSerTrpThrAla 783
QY 2350 CTTGGGATGATATTGACCATGGAACAGCTCACAAGTATATCATTCGATAATAGTACAAGT 2409
Db 784 ProGlyAsnValLeuAspLysGlyLysAlaAsnSerTyrIleIleArgIleSerLysSer 803
QY 2410 ATTCTTGATCTCAGAGACAAAGTTCATCAATCTCTCAAGTGAATACTACTCTCTCATC 2469
Db 804 PheMetAspArgGlnGluAspPheAspAsnAlaThrLeuValAsnThrSerAsnLeuIle 823
QY 2470 CCAAGGAAGCAACTCTGAGGAAGTCTTTTGTAAACACAGAAAAACATTACTTTTGA 2529
Db 824 ProLysGluAlaGlySerLysGluAsnPheGluPheLysProGluHisPheArgValGlu 843
QY 2530 AATGSCACAGATCTTTTTCATTGCTTATCAGGCTGTGTATAAGTCTGAAATCAGAA 2589
Db 844 AsnGlyThrLysPheTyrIleSerValGlnAlaIleAsnGluAlaAsnLeuIleSerGlu 863
QY 2590 ATATCCAACTGACGAGTATCTTTGTTTATTCCT 2625
Db 864 ValSerHisIleValGlnAlaIleLysPheIlePro 875

RESULT 8

US-09-193-562D-34
; Sequence 34, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedict U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; CURRENT FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 34
; LENGTH: 902
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-193-562D-34

Alignment Scores:
Pred. No.: 4,21e-194 Length: 902
Score: 2324.50 Matches: 479
Percent Similarity: 67.90% Conservative: 143
Best Local Similarity: 52.29% Mismatches: 257
Query Match: 43.21% Indels: 37
DB: 4 Gaps: 15

US-09-049-696-20 (1-2983) x US-09-193-562D-34 (1-902)

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Db 1 MetValProGlyLeuGlnValLeuLeuPheLeuThrLeuHisLeuLeuGlnAsnThr--- 19
QY 85 AGTAATTCATCTCAGCTCAGTGAACAAATGGCTATGAAGGCAATGTGCTTCCAAATCGAC 144
Db 20 GluSerMetValHisLeuAsnSerAsnGlyTyrGluGlyValValIleAlaIleAsn 39
QY 145 CCCATGTCCAGAGATGAACACTTCAACAAATAAGGACATGTGTACCCAGGCA 204
Db 40 ProSerProGluAspGluArgLeuIleProSerIleLysGluMetValThrGlnAla 59
QY 205 TCTCTGTATCTGTTGAAGTACAGAAAGCGATTATTTTCAAAATGTTGCCATTTTG 264
Db 60 SerThrTyrLeuPheGluAlaSerGlnGlyArgValTyrPheArgAsnIleSerIleLeu 79
QY 265 ATTCTGAAACATGGAAGACAAAGCTGACTATGTGAGACCAAACTTGAGACCTTACAAA 324
Db 265

Db 80 ValProMetThrTriplysSerlysserGluTyrLeuMetProlysaArgGluSerTyrAsp 99
QY 325 AATGCTGATGTTCTGGTCTGAGTCTACTCTCCAGGTAAATGATGAACCCCTACACTGAG 384
Db 100 LysAlaAspValleValAlaAspProHisLeuGlnHisGlyAspAspProTyrThrLeu 119
QY 385 CAGATGGGCAACTGTGGAGAGAGGTGAAAGATCCACTCTCTCTGATTTCTGCA 444
Db 120 GlnTyrGlyGlnCysGlyAspArgGlyGlnTyrIleHisPheThrProAsnPheLeuLeu 139
QY 445 GCAAAAAAGCTTAGCTGAATATGACCAACAGGTAGGGCAATTTGTCTCCACTCAGTGGGCTCAT 504
Db 140 ThrAspAsnLeuArgIleTyrGlyProArgGlyArgValPheValHisGluTrpAlaHis 159
QY 505 TPACGATGGGAGTATTTCACGAGTACAATAATGATGAGAAATTCCTACTTATCC---AAT 561
Db 160 LeuArgTyrGlyValPheAspGluTyrAsnValAspArgSerProTyrIleSerArgLys 179
QY 562 GGAAGNATACAGCAGTAAAGTTCAGCAGGTATTTACTGTTACAAATGTAGTAAAGAAG 621
Db 180 AsnThrIleGluAlaThrArgCysSerAlaSerIleThrGlyLysValValHisGlu 199
QY 622 TGTGAGGAGGAGCTGTTTACACCAAGATGCACATTCAATAAAGTAAACGAGCTCTAT 681
Db 200 CysGlnArgGlySerCysValThrArgAlaCysArgAspSerLysThrArgLeuTyr 219
QY 682 GAAAAAGGATGTGAGTTCCTTCTCCAAATCCCGCAGACGAGAGGCTTCTATAATGTTT 741
Db 220 GluProLysCysThrPheIleProAspLysIleGlnThrAlaGlyAlaSerIleMetPhe 239
QY 742 GCACAACATGTTGATTTCTATGTTGAATTCGTGACAGAACAAACACCAAAAGAGCT 801
Db 240 MetGlnAsnLeuAsnSerValValGluPheCysThrGluAsnAsnHisAsnAlaGluAla 259
QY 802 CCAACAACGAAAAATCAAAATGCAATCCCGAGCAGATGGAGTGATCCGTGATTC 861
Db 260 ProAsnLeuGlnAsnLysMetCysAsnArgArgSerThrTrpAspValIleLysThrSer 279
QY 862 GAGGACTTTAAAGAAACCACTCTATG-----ACAAACAGCCACCAATCCCACTTC 915
Db 280 AlaAspPheGlnAsnAlaProProMetArgGlyThrGluAlaProProProThrPhe 299
QY 916 TCATTGCTGCAGATGGGCAAAAGATTTGTGTTTGTAGTCTCTGACAAATCTCGAAGCATG 975
Db 300 TyrLeuLeuLysSerArgArgArgValValCysLeuValLeuAspLysSerGlySerMet 319
QY 976 GCGACTGTAAACGCTCAATCGATGATCAAGCAGGCGCAGCTTTCTCTGCTGCAGACA 1035
Db 320 AspLysGluAspArgLeuIleArgMetAsnGlnAlaAlaGluLeuTyrLeuThrGlnIle 339
QY 1036 GTTGAGCTGGGCTCTGGGTTGGGATGGTGACATTTGACAGTGTGCTGCCCATGTACAAAGT 1095
Db 340 ValGluLysGluSerMetValGlyLeuValThrPheAspSerAlaAlaHisIleGlnAsn 359
QY 1096 GAACCTATACAGATAAAGTGGCAGTGAAGGACACACTCCCAAAAAGATTTACTGCA 1155
Db 360 TyrLeuIleLysIleThrSerSerSerAspTyrGlnLysIleThrAlaAsnLeuProGln 379
QY 1156 GCAGTTCAGGAGGAGCTGCTCTGACGCGGCTTCGATCGGCATTTACTGTGATTAGG 1215
Db 380 GlnAlaSerGlyGlyThrSerIleCysHisGlyLeuGlnAlaGlyPheGlnAlaIleThr 399
QY 1216 AAGAAA---TATCCAACTGATGATCTGAAATTTGCTCTGACGAGTGGGGAAGACAAC 1272
Db 400 SerSerAspGlnSerThrSerGlySerGluIleValLeuLeuThrAspGlyGluAspAsn 419
QY 1273 ACTATAAGTGGTGTCTTAAACGAGGTCAAAAGGTGGTCCCATCATCCACACAGTCGCT 1332
Db 420 GlyIleArgSerCysPheGluAlaValSerArgSerGlyAlaIleIleHisThrIleAla 439
QY 1333 TTGGGGCCCTCTGCAGCTCAAGNACTAGAGGAGCTGTCCAAATGACAGAGGTTTACAG 1392
Db 440 LeuGlyProSerArgAlaArgGluLeuGluThrLeuSerAspMetThrGlyGlyLeuArg 459

QY 1393 ACATATGCTTCAGATCAAGTTCAGAACAAATGCGCTTCATTGATGCTTTTGGGGCCCTTTCA 1452
Db 460 PheTyrAlaAsnLysAspLeu-----AsnSerLeuIleAspAlaPheSerArgIleSer 477
QY 1453 TCAGGAAATGGAGCTGTCTCTCAGCGCTCCATCCAGCTTGAGAGTAAAGGATTAACCCCTC 1512
Db 478 SerThrSerGlySerValSerGlnAlaLeuGlnLeuGluSerLysAlaPheAspVal 497
QY 1513 CAGAACAGCCAGCTGATGAATGCGACAGTGTCTGGACAGCACCGCTGGGAAAGGACACT 1572
Db 498 ArgAlaGlyAlaIleTrpIleAsnGlyThrValProLeuAspSerThrValGlyAsnAspThr 517
QY 1573 TTGTTTCTTATCACCTGGACAAACGCGCTCCCAAAATCTCTCTCGGATCCAGTGA 1632
Db 518 PhePheValIleThrTrpMetValLysLysProGluIleIleLeuGlnAspProLysGly 537
QY 1633 CAGAG-----CAAGTGGCTTTGTAGTGACAAA---AACACCAAAATGCTTACCTC 1683
Db 538 LysLysTyrThrThrSerAspPheGlnAspAspLysLeuAsnIleArgSerAlaArgLeu 557
QY 1684 CAAATCCCGAGGATTTGCTAAGGTGCGACTTGGAAATACAGTCTGCAAGCAAGC---TCA 1740
Db 558 GlnIleProGlyThrAlaGluThrGlyThrTrpThrTyrSerTyrThrGlyThrLysSer 577
QY 1741 CAACTTTCACCTGCTCAGCTCCGCTCGCTCCAATGCTACCTGCTGCTCCAAATCA 1800
Db 578 GlnIleThrMetThrValThrThrArgAlaArgSerProThrMetGluProLeuLeu 597
QY 1801 GTGACTTCCAAAACGAAACAGGACACCAACCAATTTCCCGAGCGCTCTGTAGTTATGCA 1860
Db 598 GlyTyrCysTyrMetSerGlnSerThrAlaGlnTyrProSerArgMetIleValTyrAla 617
QY 1861 AATATTGCGCAAGGAGCTCCCAATTTCTCAGGCGCAGTGTACAGCCCTGATTAATCA 1920
Db 618 ArgValSerGlnGlyPheLeuProValLeuGlyAlaAsnValThrAlaLeuIleGluAla 637
QY 1921 GTGAATGGAAAAACAGTTACTTGGAACTTCTGGATTAATGGAGCAGCTGCTGATGCTACT 1980
Db 638 GluHisGlyHisGlnValThrLeuGluLeuTyrAspAsnGlyAlaGlyAlaAspIleVal 657
QY 1981 AAGGATGAGGTGCTCTACTCAAGTATTTTCAACTTATGACACGATGATGATACACT 2040
Db 658 LysAsnAspGlyIleTyrThrArgTyrPheThrAspTyrHisGlyAsnGlyArgTyrSer 677
QY 2041 GTAAAGTCCGGCTCTGGGAGGATTAACGAGCAGCAGCAGGAGAGTG-----ATA 2091
Db 678 LeuLysValArg-----ValGlnAlaGlnArgAsnLysThrArgLeuSerLeu 693
QY 2092 CCCCAGCAGAGTGGAGCAGCTGTACATACCTGCTGGATTTGAGAAATGATGAATACAAATGG 2151
Db 694 ArgGlnLysAsnLysSerLeuTyrIleProGlyTyrValGluAsnGlyLysIleValLeu 713
QY 2152 AATCCACCAAGACCTCGAAATTAATAGGATGATGTTCAACACAGCAAGCTGTGTTTCAGC 2211
Db 714 AsnProArgProAspValGlnGluGluAlaIleGluAlaThrValGluAspPheAsn 733
QY 2212 AGAACATCTCTCGGAGGCTCATTTGCGCTCTGATGCTCCCAATGCTCCCATACCTGAT 2271
Db 734 ArgValThrSerGlyLysPheThrValSerGlyAlaPro-----ProAsp 749
QY 2272 -----CTCTTCCACCTGGCCCAATATCACCGCTGAAGCGGAAATTCAC 2316
Db 750 GlyAspHisAlaArgValPheProProSerLysValThrAspLeuGluAlaGluPheIle 769
QY 2317 GGGGCGAGTCTCATTAATCTGAGCAGCTCTCTGGGATGATTTATGACCATGGAACA 2376
Db 770 ---GlyAspTyrIleHisLeuThrTrpThrAlaProGlyLysValLeuAspAsnGlyArg 788
QY 2377 GCTCAAGATATATCATTCGATAGTACAACTATTCTTGATCTCAGACAGAGTTCAAT 2436
Db 789 AlaHisArgTyrIleIleArgMetSerGlnHisProLeuAspLeuGlnGluAspPheAsn 808

Db 127 LysGlyLysTyriIleHisPheThrProAsnPheLeuLeuThrAsnAsnPheHisIleTyr 146
QY 466 GGACCAACAGGTAGGCGCATTTGTCATAGTGGCTCATCTAGTGGGAGTATTGAC 525
Db 147 GlySerArgGlyArgValPheValHisGluTrpAlaHisLeuArgTrpGlyIlePheAsp 166
QY 526 GAGTCAATTAATGATGAGAAATCTACTTATCC---AATGGAAGATAACAACAGTAAAGA 582
Db 167 GluTyrAsnValAspGlnProPheTyrIleSerArgLysAsnThrIleGluAlaThrArg 186
QY 583 TGTTCCAGCAGGTATTACTGTCGTAACAATAGTAGTA---AAGAAGTGTCCAGGAGCGAGCTGT 639
Db 187 CysSerThrHisIleThrGlyIleAsnValPheLysCysProGlyGlySerCys 206
QY 640 TACACCAAAAGATGCACATTCAATAAGTAACAGGACTCTATGAAAGAGTGTGAGTTT 699
Db 207 IleThrSerLeuCysArgAspSerGlnThrGlyLeuTyrGluAlaLysCysThrPhe 226
QY 700 GTTCTCCAAATCCCGCAGAGGAGGCTTCTATAATGTTTGCACAAATGTTGATTTCT 759
Db 227 LeuProLysLysSerGlnThrAlaLysGluSerIleMetPheMetProSerLeuHisSer 246
QY 760 ATAGTTGAATCTGTACAGAACAAACCAACCAACAAAGAGCTCCAAACAGCAAAATCAA 819
Db 247 ValThrGluPheCysThrGluLysThrHisAsnThrGluAlaProAsnLeuGlnAsnLys 266
QY 820 AATCGAATCTCCGAGCAGCATGGGAAGTATCCGCTGATTCTGAGACTTTAAGAAACC 879
Db 267 MetCysAsnGlySerThrTrpAspValIleMetAsnSerValAspPheGlnAsnThr 286
QY 880 ACTCTTATGACA-----ACACAGCCACCAATCCACCTTCTCATTTGTCGAGATTGGA 933
Db 287 SerProMetThrGluMetAsnProProThrHisProThrPheSerLeuLeuLysSerLys 306
QY 934 CAAAGAAATGTGTGTTTGTCTTGACAAATCTGGAAGCATGGCGACTGGTAACCGCTTC 993
Db 307 GlnArgValValCysLeuValLeuAspLysSerGlySerMetSerAlaGluAspArgLeu 326
QY 994 AATCGACTGAATCAGCAGCGGCTTTCTCGCTGCACAGACTGTCAGTGGGCTCTGG 1053
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QY 1054 GTTGGGATCGTGACATTTGACAGTGTGCCCATGTACAAAGTCACTATACAGATAAAC 1113
Db 347 ValGlyMetValThrPheAspSerValAlaGluIleGlnAsnHisLeuThrArgIleThr 366
QY 1114 AOTGGCAGTGACAGGACACATCGCCCAAAAGATTACTCGCAGCAGCTTCAGAGGAGC 1173
Db 367 AspAspAsnValTyrGlnLysIleThrAlaLysLeuProGlnValAlaAsnGlyGlyThr 386
QY 1174 TCCATCTGAGCGGCTTCGATCGGCATTT---ACTGTGATTAGGAAGAAATCCAACT 1230
Db 387 SerIleCysArgGlyLeuLysAlaGlyPheGlnAlaIleIleHisSerAspGlnSerThr 406
QY 1231 GATGATCTGAAATTTGCTGCTGCGATGGGAGACAACTATAGTGGGCTGCTT 1290
Db 407 SerGlySerGluIleLeuLeuThrAspGlyGluAspAsnGluIleAsnSerCysPhe 426
QY 1291 AACGAGGTCAAAACAAAGTGGTGCCATCATCCACAGTCCGTTGGGCGCTCTGAGCT 1350
Db 427 GluAspValLysArgSerGlyAlaIleIleHisThrIleAlaLeuGlyProSerAlaAla 446
QY 1351 CAAGACTAGAGGAGCTGTCCAAAATGACAGAGGTTTACACATATGCTTCAGATCAA 1410
Db 447 LysGluLeuGluThrLysSerAsnMetThrGlyTyrArgPhePheAlaAsnLysAsp 466
QY 1411 GTTCAACAAATGCGCTCATGTTGTTGGGCGCTTTCATCAGGAATGGAGTGTCT 1470
Db 467 Ile-----ThrGlyLeuThrAsnAlaPheSerArgIleSerArgSerGlySerIle 484
QY 1471 TCTCAGCGCTCCATCCAGTGTGAGAGTAAAGGATTAAACCTCCAGAACAGCCAGGTGAG 1530
Db 485 ThrGlnGlnAlaIleGlnLeuGluSerLysAlaLeuLysIleThrGlyArgLysArgVal 504

QY 1531 AATGCGACAGTCATCGTGGACAGCACCGTGGGAAAGACACTTTCTTTTATCACCTGG 1590
Db 505 AsnGlyThrValProValAspSerThrValGlyAsnAspThrPhePheValValThrTrp 524
QY 1591 ACAACGCGACCTCCCAAAATCTCTCTGGGATCCAGTGGACAG-----AAGCAAGT 1644
Db 525 ThrIleGlnLysProGluIleValLeuGlnAspProLysGlyLysLysTyrLysThrSer 544
QY 1645 GCGTTGTAGTGGACAAA---AACACCAAAATGGCTACCTCCAAATCCAGGCAATGCT 1701
Db 545 AspPheLysGluAspLysLeuAsnIleArgSerAlaArgLeuGlnIleProGlyIleAla 564
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Db 565 GluThrGlyThrTrpThrTyrSerLeuLeuAsnAsnHisAlaSerSerGlnMetLeuThr 584
QY 1753 CTGACTGTACGTCCTCGGTCGTCCTCAATGCTACCTGCTCCAAATACAGTGTCTCCAAA 1812
Db 585 ValThrValThrArgAlaArgSerProThrIleProValIleAlaThrAlaHis 604
QY 1813 AGAACACAGGACACAGCAAAATCCCGAGCCCTCTGCTAGTATTATGCAAAATATCGCCAA 1872
Db 605 MetSerGlnHisThrAlaHisTyrProSerProMetIleValTyrAlaGlnValSerGln 624
QY 1873 GGAGCTCCCAATTTCTCAGGCGCAGTGTACAGCCCTGATTGAATCAGTGAATGCAAAA 1932
Db 625 GlyPheLeuProValLeuGlyIleSerValIleAlaIleIleGluThrGluAspGlyHis 644
QY 1933 ACAGTTACTTGGAACTACTCGATAATGAGCAGCGTCTGATGTACTAAGATGACGCT 1992
Db 645 GlnValThrLeuGluLeuTyrAspAsnGlyAlaGlyArgAspThrValLysAsnAspGly 664
QY 1993 GTCTACTCAGGTATTTACAACTTATCACAGATGTGTAGTACAGTGTAAAGTGGCG 2052
Db 665 IleTyrSerArgTyrPheThrAspTyrTyrGlyAsnGlyArgTyrSerLeuLysValHis 684
QY 2053 GCTCTGGGAGGAGTTTAAACGAGCAGCGAGGAGTGATACCCACGAGTGGAGCACGTG 2112
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Db 705 TyrValProGlyTyrValGluAsnGlyLysIleIleLeuAsnProArgProGluVal 724
QY 2173 AATAAGGATGATGTTCAACACAGCAAGTGTGTTTTCAGCAGACATCTCCGGAGGCTCA 2232
Db 725 LysAspAspLeuAlaLysAlaLysIleGluAspPheSerArgLeuThrSerGlyGlySer 744
QY 2233 TTTGTGGCTTCTGATGTC---CCAAATGCTCCATACATGATCTCTCCACCTGGCCAA 2289
Db 745 PheThrValSerGlyAlaProProGlyAsnHisProSerValPheProProSerLys 764
QY 2290 ATCACCAGCTGAAAGCGGAAATTCACGGGCGAGCTCTCATTAATCTGATTTGGACAGCT 2349
Db 765 IleThrAspLeuGluAlaLysPheLys---GluAspTyrIleGlnLeuSerTrpThrAla 783
QY 2350 CTGGGAGTATGATGACCATGGAACAGCT 2379
Db 784 ProGlyAsnValLeuAspLysGlyLysAla 793

RESULT 11

US-09-193-562D-12
; Sequence 12, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedict U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; CURRENT FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922


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; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 12
; LENGTH: 821
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Variant of Lu-ECAM-1 from bovine endothelial cells
US-09-193-562D-12

Alignment Scores:
Pred. No.: 1,02e-176 Length: 821
Score: 2125.00 Matches: 425
Percent Similarity: 69.62% Conservative: 124
Best Local Similarity: 53.80% Mismatches: 225
Query Match: 39,50% Indels: 16
DB: Gaps: 11

US-09-049-696-20 (1-2983) x US-09-193-562D-12 (1-821)
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DB 8 IleLeuPheLeuThrLeuHisLeuLeuProGly--MetLysSerSerMetValAsnLeu 26
QY 106 AACACATGGCTATGAGGCAATGCTGTCGTAATCGACCCCAATGTCGACAGAGTAA 165
DB 27 IleAsnAsnGlyTyrAspGlyIleValIleAlaIleAsnProSerValProGluAspGlu 46
QY 166 ACACATCAATCAACATAAGACATGTCGCCAGGCATCTCTGATCTGTTGAAGCT 225
DB 47 LysLeuIleGluAsnIleLysGluMetValThrGluAlaSerThrTyrLeuPheHisAla 66
QY 226 ACAGGAAGCGAATTTATTTCAAAATGTCGATTTTCATTTCCCTGAAACATGGAAGACA 285
DB 67 ThrLysArgArgValTyrPheArgenValSerIleLeuIleProMetThrTrpLysSer 86
QY 286 AAGGTGACTATGTGAGACAAACATGTCGACCTACAAATGCTGATCTGTTGCT 345
DB 87 LysSerGluTyrPheIleProLysGlnGluSerTyrAspGlnAlaAspValIleValAla 106
QY 346 GAGTCTACTCTCCAGTAATGATGACCTACACTGACGACATGGGCACTGTGGAGAG 405
DB 107 AsnProTyrLeuLysTyrGlyAspAspProTyrThrLeuGlnTyrGlyArgCysGlyGlu 126
QY 406 AAGGTGAAAGGATCCACCTCCTCTGATTTTCATTCAGGAGGAAAAAGTAGCTGAATAT 465
DB 127 LysGlyLysTyrIleHisPheThrProAsnPheLeuLeuThrAsnAsnPheHisIleTyr 146
QY 466 GGACCAAGGTAGGGCAATTTGTCATGAGTGGGCTCATCTACGATGGGAGTATTTGAC 525
DB 147 GlySerArgGlyArgValPheValHisGluTyrAlaHisLeuArgTrpGlyIlePheAsp 166
QY 526 GAGTACATAATGATGAGAAATCTACTATCC---AATGGAAGATAACAAGCAGTAAGA 582
DB 167 GluTyrAsnValAspGlnProPheTyrIleSerArgLysAsnThrIleGluAlaThrArg 186
QY 583 TGTTGACGAGGTATTACTGTCACAAATGAGTA---AAGAAGTGTCCAGGAGGAGCTGT 639
DB 187 CysSerThrHisIleThrGlyIleAsnValValPheLysLysCysProGlyGlySerCys 206
QY 640 TACACAAAGATGCACATCAATAAAGTAACAGGACTCTATGAAAGAGATGTGAGTTT 699
DB 207 IleThrSerLeuLysCysArgAspSerGlnThrGlyLeuTyrGluAlaLysCysThrPhe 226
QY 700 GTTCTCCAATCCGCGCAGAGAGAGGCTTCTATATGTTTGGCACAACATGTTGATCT 759
DB 227 LeuProLysLysSerGlnThrAlaLysGluSerIleMetPheMetProSerLeuHisSer 246
QY 760 ATAGTTGAATCTGTACAGAAACAAACACCAAGAGGCTCCAAACAGCAAGCAATCAAA 819
DB 247 ValThrGluPheCysThrGluLysThrHisAsnThrGluAlaProAsnLeuGlnAsnLys 266
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DB 267 MetCysAsnGlyLysSerThrTrpAspValIleMetAsnSerValAspPheGlnAsnThr 286
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DB 287 SerProMetThrGluMetAsnProProThrHisProThrPheSerLeuLeuLysSerLys 306
QY 934 CAAAGAATTTGTGTTTGTAGTCTTCAAACTGGAAGCATGCGAGCTGGTAACCCCTC 993
DB 307 GlnArgValValCysLeuValLeuAspLysSerGlySerMetSerAlaGluAspArgLeu 326
QY 994 AATCGACTGAATCAACAGCCGCGCTTTCCTGTCGACAGACTGTCAGTGGGTCTCTGG 1053
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DB 367 AspAspAsnValTyrGlnLysIleThrAlaLysLeuProGlnValAlaAsnGlyGlyThr 386
QY 1174 TCATCTGCGAGCGGCTTCGATCGCATTT---ACTGTGATTAGGAAGAAATATCCAAC 1230
DB 387 SerIleCysArgGlyLeuLysAlaGlyPheGlnAlaIleIleHisSerAspGlnSerThr 406
QY 1231 GATGATCTGAAATTTGCTGCTGCGATGGGAGGACCAACACTATAAGTGGGTCTTT 1290
DB 407 SerGlySerGluIleIleLeuLeuThrAspGlyGluAspAsnGluIleAsnSerCysPhe 426
QY 1291 AACGAGGTCAAAACAAAGTGTGCTCATTCACACAGCTGCTTGGGGCCCTTCGAGCT 1350
DB 427 GluAspValLysArgSerGlyAlaIleIleHisThrIleAlaLeuGlyProSerAlaAla 446
QY 1351 CAAGAACTAGAGGAGCTGTCCAAATAGACAGAGGTTTACAGACATATGCTTCAGATCAA 1410
DB 447 LysGluLeuGluThrLysSerAsnMetThrGlyGlyTyrArgPhePheAlaAsnLysAsp 466
QY 1411 GTTCAGACAAATGGCTCATTCATGCTTTTGGGCCCTTTCATCGAAGAAATGAGCTGTC 1470
DB 467 Ile-----ThrGlyLeuThrAsnAlaPheSerArgIleSerSerArgSerGlySerIle 484
QY 1471 TCTCAGCGCTCATCCAGCTTGAGAGTAAGGATTAACCTCCAGAACAGCAGCTGATG 1530
DB 485 ThrGlnGlnAlaIleGlnLeuGluSerLysAlaLeuLysIleThrGlyArgLysArgVal 504
QY 1531 AATGCGACAGTGAATCGTGACAGCCGCTGGGAAAGGACACTTTGTTTCTTATCAGCTGG 1590
DB 505 AsnGlyThrValProValAspSerThrValGlyAsnAspThrPhePheValValThrTrp 524
QY 1591 ACAACGCGCTCCCAATCTCTCTGGGATCCCGAGTGACAG-----AAGCAAGGT 1644
DB 525 ThrIleGlnLysProGluIleValLeuGlnAspProLysGlyLysLysTyrLysThrSer 544
QY 1645 GCCTTTGTAGTCGACAAA---AACCAAAATGGCTACTCCAAATCCAGCAGCTTGCT 1701
DB 545 AspPheLysGluAspLysLeuAsnIleArgSerAlaArgLeuGlnIleProGlyIleAla 564
QY 1702 AAGTTGGCAGCTTGGAAATACAGTCTG-----CAAGCAAGCTCAAAACCTTGACC 1752
DB 565 GluThrGlyThrTrpThrTyrSerLeuLeuAsnAsnHisAlaSerSerGlnMetLeuThr 584
QY 1753 CTGACTGTGCTCCCGCTGCTCAATGCTGCTGCTCCCAATTCAGTACTGCTTCCAAA 1812
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QY 1813 AGAAACAGGACACACAGCAAAATTCACGAGCTCTGGTAGTTTATGCAATATTCGCCAA 1872
DB 605 MetSerGlnHisThrAlaHisTyrProSerProMetIleValTyrAlaGlnValSerGln 624
QY 1873 GGAGCTCCCAATTTCTCAGGGCCAGTGTACAGCCCTGATGTAATCAGTGTGAGAAA 1932
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Db 625 GlyPheLeuProValLeuGlyIleSerValIleAlaIleLeuThrGluAspGlyHis 644
QY 1933 ACAGTTACTCTGGAATCTGATATGAGCAGAGTGTCTACTACTAAGGATCACGGT 1992
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QY 2053 GCTCTGGGAGGAGTTAAACGACGACGAGAGGAGTGTATACCCAGAGAGTGGAGCACTG 2112
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QY 2113 TACATACCTGGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2172
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QY 2173 AATAAGGATGATGTTCAACACACGAAGTGTGTTTCAGCAGACACATCTCTCGGGAGGCTCA 2232
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QY 2233 TTTGTGGCTTCGATGTC---CCAAATGCTCCATACCTGATCTCTCCACCTGGCCAA 2289
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RESULT 12

US-09-643-597-161

; Sequence 161, Application US/09643597

; Patent No. 6426072

; GENERAL INFORMATION:

; APPLICANT: Wang, Tongtong

; APPLICANT: Fan, Liqun

; APPLICANT: Kalos, Michael D.

; APPLICANT: Bangur, Chaitanya S.

; APPLICANT: Hosken, Nancy

; APPLICANT: Fanger, Gary R.

; APPLICANT: Li, Samuel X.

; APPLICANT: Wang, Aijun

; APPLICANT: Skeiky, Yasir A.W.

; APPLICANT: Henderson, Robert A.

; APPLICANT: McNeill, Patricia D.

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

; FILE REFERENCE: 21021.455C11

; CURRENT APPLICATION NUMBER: US/09/643,597

; CURRENT FILING DATE: 2000-08-21

; NUMBER OF SEQ ID NOS: 369

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 161

; LENGTH: 943

; TYPE: PRT

; ORGANISM: Homo sapien

US-09-643-597-161

Alignment Scores:

Pred. No.:	1.98e-165	Length:	943
Score:	1996.00	Matches:	417
Percent Similarity:	63.26%	Conservative:	165
Best Local Similarity:	45.33%	Mismatches:	282
Query Match:	37.10%	Indels:	56
Db:	4	Gaps:	21

US-09-049-696-20 (1-2983) x US-09-643-597-161 (1-943)

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QY 64 CACCTTCTAGAAGGGCCCTGAGTAATTCATCTC-----ATTTCAGCTG 105
Db 20 -----ValAlaLeuSerSerGluLeuProPheLeuGlyAlaGlyValGlnLeu 35
QY 106 AACACAATGGCTATGAAGGCATTCTGCTGCAATCGACCCCAATGTGCCACAAAGATGAA 165
Db 36 GlnAspAsnGlyTyrAsnGlyLeuLeuIleAlaIleAsnProGlnValProGlnAsnGln 55
QY 166 ACATCTATTCAACAAATAAGACATGTGACCCAGGCATCTCTGTATCTTGTGTTGAAGCT 225
Db 56 AsnLeuIleSerAsnIleLysGluMetIleThrGluAlaSerPheTyrLeuPheAsnAla 75
QY 226 ACAGGAAGCAGATTTTATTTCAAATAATGTCCTATTTGATTCCTGAAACATGGAAGACA 285
Db 76 ThrLysArgArgValPhePheArgAsnIleLysIleLeuIleProAlaThrTrpLysAla 95
QY 286 AAGGCTGACTATGTGAGACCAAACTTCGAGACCTACAAATAATGCTGATGTTCTGTGTGCT 345
Db 96 Asn---AsnAsnSerLysIleLysGlnGluSerTyrGluLysAlaAsnValIleValThr 114
QY 346 GAGTCTACTCTCCAGGTAATGATGAACCTACACTGAGCAGATCGGCAACTGTGGAGAG 405
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QY 406 AAGGTGAAGAGTCCACTCCTCCTGATTTTCATTTGATTCGAGGAAAAAGTTA---GCTGNA 462
Db 135 GluGlyLysTyrIleHisPheThrProAsnPheLeuLeuAsnAspAsnLeuThrAlaGly 154
QY 463 TATGGACCAACAAGGTAGGGCATTTGTCATGATGAGTGGCTCATCTACGATGGGAGTATTT 522
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QY 580 AGATGTTGACGAGGTATTACTGTGTAACAATGTAGTAAGAAGTGTACGAGGAGGACAGTGT 639
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QY 640 TACACCAAAGATGCACATTCAATAAAGTAACAGCAGTCTATGAAAAAGAGTGTGAGTTT 699
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QY 700 GTTCTCCAATCCCGCAGACGAGGAGGCTTCTATAATGTTTGCACAAACATGTTGATCT 759
Db 229 IleTyrAsnSerThrGlnAsnAlaThrAlaSerIleMetPheMetGlnSerLeuSerSer 248
QY 760 ATAGTTGAATTTCTGTACAGAACAAACCACAAAGAGCTCCAAACAGCAAAATCAA 819
Db 249 ValValGluPheCysAsnAlaSerThrHisAsnGlnGluAlaProAsnLeuGlnAsnGln 268
QY 820 AAATGCAATCTCCGAGCAGCATGGGAGTGTCCCGTATTCCTGAGGAGCTTTAAGAAAAACC 879
Db 269 MetCysSerLeuArgSerAlaTrpAspValIleThrAspSerAlaAspPheHisSer 288
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Db 289 PheProMetAsnGlyThrGluLeuProProProThrPheSerLeuValGluAlaGly 308
QY 934 CAAGAATTTGTTTGTAGTCTCTGACAAATCTGAAGCATGCGGACTGGTAACCGCCTC 993
Db 309 AspLysValValCysLeuValLeuAspValSerSerLysMetAlaGluAlaAspArgLeu 328
QY 994 AATCGACTGAATCAAGCAGGCGCAGCTTTTCTGCTGACAGACAGTTGAGCTGGGCTCTGG 1053
Db 329 LeuGlnLeuGlnGlnAlaGluPheTyrLeuMetGlnIleValGluIleHisThrPhe 348
QY 1054 GTTGGGATGGTGACATTTTGACAGTCTGCCCATGTACAAAGTGAACTCATACAGATAAAC 1113

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Db 349 valGlyIleAlaSerPheAspSerLysGlyIleArgAlaGlnLeuHisGlnIleAsn 368
QY 1114 AGTGGCAGTGCAGGACACACTCGCCAAAAGATTACCTGCAGCACCTTCAGGAGGAGC 1173
Db 369 SerAsnAspArgLysLeuValSerTyrLeuProThrThrValSerAlaLysThr 388
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Db 389 AspIleSerIleCysSerGlyLeuLysGlyPheGluValGluLysLeuAsnGly 408
QY 1225 CCAACTGATGGATCTCAATTTGCTGCTGACGATCGGAGGAGACAACTATAAGTGG 1284
Db 409 LysAlaTyrGlySerValMetIleLeuValThrSerGlyAspLysLeuLeuGlyAsn 428
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Db 429 CysLeuProThrValLeuSerSerGlySerThrIleHisSerIleAlaLeuGlySer 448
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Db 449 AlaAlaProAsnLeuGluLeuSerArgLeuThrGlyLeuLysPheValPro 468
QY 1405 GATCAAGTTCAGAACATGGCCTCATTGCTTTTGGGCGCTTCATCAGGAATGGA 1464
Db 469 AspIleSerAsnSerAsnSerMetIleAspAlaPheSerArgIleSerGlyThrGly 488
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QY 1585 ACCTGG---ACACGAGCGCTCCCAAAATCTCTCGGATCCAGTCGACAGAG--- 1638
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QY 1639 ---CAAGTGGCTTTCTAGTGACAAAACACCAAAATGCGCTTACCTCCAAATCCAGGC 1695
Db 549 TyrThrAsnAsnPheIleThrAsnLeuThrPheArgThrAlaSerLeuTrpIleProGly 568
QY 1696 ATTGCTAAGTGGTGGCACTTGGAAATACAGTCTG-----CAACCAAGCTCACAAACC 1746
Db 569 ThrAlaLysProGlyHisIleThrThrLeuAsnAsnThrHisSerLeuGlnAla 588
QY 1747 TTGACCTGACTGTACAGTCCGTCGTCGTCATGCTACCTGCTCCATTCAGTACT 1806
Db 589 LeuLysValThrValThrSerArgAlaSerAsnSerAlaValProProAlaThrValGlu 608
QY 1807 TCCAAAACCAACGACGACACCAAAATCCCGAGCCCTCTGCTAGTTTATGCAATATT 1866
Db 609 AlaPheValGluArgAspSerLeuHisPheProHisProValMetIleThrAlaAsnVal 628
QY 1867 CGCCAGGAGCCCTCCCAATTTCTCAGGCGCAGTGTACAGCCCTGATGAATCAGTGAAT 1926
Db 629 LysGlnGlyPheTyrProIleLeuAsnAlaThrValThrAlaThrValGluProGluThr 648
QY 1927 GGAAAACAGTTACTCTTGGAACTACTGGATATAGGAGCGGTCTGCTGCTACTAAGAT 1986
Db 649 GlyAspProValThrLeuArgLeuLeuAspAspGlyAlaGlyAlaAspValIleLysAsn 668
QY 1987 GACGGTGTCTACTCAGGTATTTTCAACTTATGACACCAAGTGGTAGACTGTAAATA 2046
Db 669 AspGlyIleTyrSerArgTyrPhePheSerPheAlaAlaAsnGlyArgTyrSerLeuLys 688
QY 2047 GTGCGGGCTCTGGGAGGAGTTAACGACGACGACGAGAGTGATACCCAGCAGAG----- 2100
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QY 2101 -----AGTGGAGCACTGTACATACCTGCTGGATGAGAATGATGAATACATGGAAT 2154
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Db 725 AlaProGlyLysSerValGlyArgAsnGluGluGluArgLysTrp---GlyPheSerArg 743
QY 2215 ACATCTCGGAGGCTCATTTGCTGCTGATGCTCCCAATGCTCCCATACCTGATCTC 2274
Db 744 ValSerSerGlyGlySerPheSerValLeuGlyValProAlaGlyProHisProAspVal 763
QY 2275 TTCCCACTCGGCAAAATCAACCCAGCTGAAGGCGGAAATTCACGGGGCGAGTCTCATTAAT 2334
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RESULT 13
US-09-480-884A-161
; Sequence 161, Application US/09480884A
; Patent No. 6482597
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Hosken, Nancy A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.455C6
; CURRENT APPLICATION NUMBER: US/09/480,884A
; CURRENT FILING DATE: 2001-08-27
; NUMBER OF SEQ ID NOS: 330
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 161
; LENGTH: 943
; TYPE: PRN
; ORGANISM: Homo sapien
US-09-480-884A-161

Alignment Scores:
Pred. No.: 1,98e-165 Length: 943
Score: 1996.00 Matches: 417
Percent Similarity: 63.26% Conservatives: 165
Best Local Similarity: 45.33% Mismatches: 282
Query Match: 37.10% Indels: 56
DB: 4 Gaps: 21

US-09-049-696-20 (1-2983) x US-09-480-884A-161 (1-943)
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QY 1174 -----TCCATCTGCAGCGGGCTTCGATCGCGATTTCATCTGTGATTAGGAAG---AAATAT 1224
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Db 609 AlaPheValGluArgAspSerLeuHisPheProHisProValMetIleTyrAlaAsnVal 628
QY 1867 CGCCAAAGGAGCTCCCAATTTCTCAGGCGCAGTGTCAAGCCCTGATTTGAATCAGTGAAT 1926
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QY 1987 GACGCTGTCTACTCAAGGTATTTCACACTTATGACAGAAATGGTAGATACAGTGTAAAA 2046
Db 669 AspGlyIleTyrSerArgTyrPhePheSerPheAlaAlaAsnGlyArgTyrSerLeuLys 688
QY 2047 GTGCGGGCTCTGGGAGGAGTTAAACGACCGCAGCAGGAGAGTGAATACCCCGCAG--- 2100
Db 689 ValHis-----ValAsnHisSerProSerIleSerThrProAlaHisSerIle 704
QY 2101 -----AGTGAGCACTGTACATCTGCTGGATTGAGATGATGAATGATCAATGGAAT 2154
Db 705 ProGlySerHisAlaMetTyrValProGlyTyrThrAlaAsnGlyAsnIleGlnMetAsn 724
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QY 1114 AGTGGCAGTGCAGGACACACTCCCAAAAGATTACCTGCAGCAGCTTCCAGGAGGAGC 1173
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QY 1174 -----TTCATCTGCAGCGGCTTCGATCGGCATTTACTGTGATAGGAG---AAATAT 1224
Db      |||||
389 AspIleSerIleCysSerGlyLeuLysGlyPheGluValValGluLysLeuAsnGly 408
QY 1225 CCAACTGATGATCGAATTCGTGCTGCGGATGGGAGAGACAACTAATAGTGGG 1284
Db      |||||
409 LysAlaTyrGlySerValMetIleLeuValThrSerGlyAspLysLeuLeuGlyAsn 428
QY 1285 TGTCTTAAACGAGGTCAAAAGTGGTGCATCATCCACACAGTCCGTTTGGGGCCCTCT 1344
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429 CysLeuProThrValLeuSerGlySerThrIleHisSerIleAlaLeuGlySerSer 448
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469 AspIleSerAsnSerMetIleAspAlaPheSerArgIleSerSerGlyThrGly 488
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QY 1585 ACCTGG---ACAAACGAGCTCCCAAAATCTCTCTGGGATCCAGTGGGACAGAG--- 1638
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529 ThrTrpGlnAlaSerGlyProProGluIleLeuPheAspProAspGlyArgLysTyr 548
QY 1639 ---CAAGGTGGCTTGTGTAGTGACAAAAACACCAAAATGGCTACTCTCCAAATCCAGCG 1695
Db      |||||
549 TyrThrAsnAsnPhelIleThrAsnLeuThrPheArgThrAlaSerLeuTrpIleProGly 568
QY 1696 ATGTGTAAGTTGGCATTGGAAATACAGTCTG-----CAAGCAAGCTCACAAAACC 1746
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569 ThrAlaLysProGlyHisTrpThrThrLeuAsnAsnThrHisSerLeuGlnAla 588
QY 1747 TTGACCTGACTGTACGTCGCGTGGTCCCAATGCTACCTGCTCCCAATGACAGTACT 1806
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QY 1807 TCCAAAACGAAACAGACACACCAAAATTCGCCAGCCCTCTGCTAGTTTATGCAATATT 1866
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QY 1867 CGCCAAGAGCCTCCCAATTCAGGGCCAGTGTACAGCCCTGATGAATGATGATGAT 1926
Db      |||||
629 LysGlnGlyPheTyrProIleLeuAsnAlaThrValThrAlaThrValGluProGluThr 648
QY 1927 GCAAAAAACAGTTACCTTGGAACTACTGATATGAGCAGGCTGCTACTACTAAGGAT 1986
Db      |||||
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QY 1987 GACGGTGTCTACTCAAGGTATTTCACACTTATGACACGAATGGTAGATACAGTGTAAA 2046
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QY 2101 -----AGTGGAGCACTGTACATACATGCTGGTGGATTGAGAAATGCAATACAAATGGAAT 2154
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QY 2395 CGAATAAGTACAGTATTCTTGTATCTCAGACACAGTTCATGAATCTCTTCAAGTGAAT 2454
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Db      ||||| IleSerThr-----AsnGlyProGluHisGlnProAsnGlyGluThrHisGluSerHis 860
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RESULT 15
US-09-606-421B-161
; Sequence 161, Application US/09606421B
; Patent No. 6531315
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Lihun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hoeken, Nancy
; APPLICANT: Fanger, Gary R.
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.45C9
; CURRENT APPLICATION NUMBER: US/09/606,421B
; CURRENT FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 358
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 161
; LENGTH: 943
; TYPE: PRF
; ORGANISM: Homo sapien
US-09-606-421B-161

Alignment Scores:
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Score: 1996.00 Matches: 417
Percent Similarity: 63.26% Conservative: 165
Best Local Similarity: 45.33% Mismatches: 282
Query Match: 37.10% Indels: 56
DB: 4 Gaps: 21

US-09-049-696-20 (1-2983) x US-09-606-421B-161 (1-943)
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QY 2455 ACTACTGCTCTCATCCCAAGGAAGCAACTCTGAGGAAGTCTTTTGTAAACAGAA 2514
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823 ThrSerLysArgAsnProGlnGlnAlaGlyIleArgGluIlePheThrPheSerProGln 842
QY 2515 AACATTACTTTTGAATAATGGCACAGAT----- 2541
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843 IleSerThr-----AsnGlyProGluHisGlnProAsnGlyGluThrHisGluSerHis 860
QY 2542 ---CTTTTCATTGCTATTTCAGGCTGTGATAAGGTCGATCTGAAATCAGAAATATCCAAC 2598
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861 ArgIleTyrValAlaIleArgAlaMetAspArgAsnSerLeuGlnSerAlaValSerAsn 880
QY 2599 ATTGCACGAGTATCTTTGTTTATTCCTCCACAGACTCCGCCAGACACCTAGTCTGAT 2658
Db ||||| : : : : : : : : : : : : : : : : : : : : : : : : : : : :
881 IleAlaGlnAlaProLeuPheIleProProAsnSerAspPro---ValProAlaArgAsp 899
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Search completed: April 21, 2004, 16:46:48
Job time : 122.521 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: April 24, 2004, 04:05:52 ; Search time 900.673 Seconds
(without alignments)
8424.829 Million cell updates/sec

Title: US-09-049-696-19
Perfect score: 1683
Sequence: 1 AACAAAGTGTCCTCATC.....AAATGCTAAACATGGGTA 1683

Scoring table: IDENTITY NUC
Gapop 10_0 , Gapext 1.0

Searched: 2907579 seqs, 2254313464 residues

Total number of hits satisfying chosen parameters: 5815158

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

- Database : Published Applications NA.*
- 1: /cgn2_6/prodata/2/pubpna/US07_PUBCOMB.seq.*
 - 2: /cgn2_6/prodata/2/pubpna/PCT_NEW_PUB.seq.*
 - 3: /cgn2_6/prodata/2/pubpna/US06_NEW_PUB.seq.*
 - 4: /cgn2_6/prodata/2/pubpna/US06_PUBCOMB.seq.*
 - 5: /cgn2_6/prodata/2/pubpna/US07_NEW_PUB.seq.*
 - 6: /cgn2_6/prodata/2/pubpna/PCTUS_PUBCOMB.seq.*
 - 7: /cgn2_6/prodata/2/pubpna/US08_NEW_PUB.seq.*
 - 8: /cgn2_6/prodata/2/pubpna/US08_PUBCOMB.seq.*
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 - 12: /cgn2_6/prodata/2/pubpna/US09_NEW_PUB.seq.*
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 - 14: /cgn2_6/prodata/2/pubpna/US10A_PUBCOMB.seq.*
 - 15: /cgn2_6/prodata/2/pubpna/US10B_PUBCOMB.seq.*
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 - 18: /cgn2_6/prodata/2/pubpna/US60_NEW_PUB.seq.*
 - 19: /cgn2_6/prodata/2/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1683	100.0	3109	15	US-10-106-698-2111
2	1683	100.0	3111	9	US-09-823-356-25
3	1683	100.0	3111	9	US-09-823-356-25
4	1683	100.0	3111	15	US-10-235-994-25
5	1683	100.0	3267	9	US-09-764-868-22
6	1676.6	99.6	3007	15	US-10-055-412B-27
7	1671	99.3	3311	9	US-09-922-217-1056
8	1671	99.3	3311	9	US-09-833-263-1056
9	1671	99.3	3311	14	US-10-025-380-1056
10	1671	99.3	3311	15	US-10-393-590-11
11	1671	99.3	3311	15	US-10-393-590-12
12	1671	99.3	3311	15	US-10-393-590-46
13	1671	99.3	3311	15	US-10-393-590-47
14	1671	99.3	3311	15	US-10-393-567-11

15	1671	99.3	3311	15	US-10-393-567-12	Sequence 12, Appl
16	1671	99.3	3311	15	US-10-393-567-46	Sequence 46, Appl
17	1671	99.3	3311	15	US-10-393-567-47	Sequence 47, Appl
18	1671	99.3	3311	15	US-10-394-087-11	Sequence 11, Appl
19	1671	99.3	3311	15	US-10-394-087-12	Sequence 12, Appl
20	1671	99.3	3311	15	US-10-394-087-46	Sequence 46, Appl
21	1671	99.3	3311	15	US-10-394-087-47	Sequence 47, Appl
22	1528.4	90.8	2854	15	US-10-106-698-1971	Sequence 1971, Ap
23	1526.8	90.7	2867	15	US-10-106-698-351	Sequence 351, App
24	1512	89.8	1512	16	US-10-305-720-850	Sequence 850, App
25	1467.4	87.2	2745	15	US-10-270-595-5	Sequence 5, Appli
26	1467.4	87.2	4569	10	US-09-867-034-3	Sequence 3, Appli
27	1467.4	87.2	4569	13	US-10-276-115-3	Sequence 3, Appli
28	942.6	56.0	2931	15	US-10-270-595-1	Sequence 1, Appli
29	790.8	47.0	878	13	US-09-988-292-8	Sequence 8, Appli
30	673.8	40.0	2754	15	US-10-345-680-33	Sequence 33, Appl
31	673.8	40.0	3043	14	US-10-025-167-16	Sequence 16, Appl
32	673.8	40.0	3169	9	US-09-981-353-53	Sequence 53, Appl
33	673.8	40.0	3169	15	US-10-235-994-15	Sequence 15, Appl
34	673.8	40.0	3181	14	US-10-025-167-18	Sequence 18, Appl
35	673.8	40.0	3204	15	US-10-345-680-31	Sequence 31, Appl
36	673.8	40.0	3218	16	US-10-087-080-33	Sequence 33, Appl
37	667.6	39.7	3196	15	US-10-158-646-39	Sequence 39, Appl
38	667.6	39.7	3199	13	US-10-276-774-993	Sequence 993, App
39	667.6	39.7	3265	9	US-09-989-722-378	Sequence 378, App
40	667.6	39.7	3265	9	US-09-989-723-378	Sequence 378, App
41	667.6	39.7	3265	9	US-09-989-279-378	Sequence 378, App
42	667.6	39.7	3265	9	US-09-989-727-378	Sequence 378, App
43	667.6	39.7	3265	9	US-09-989-731-378	Sequence 378, App
44	667.6	39.7	3265	9	US-09-989-732-378	Sequence 378, App
45	667.6	39.7	3265	9	US-09-991-073-378	Sequence 378, App

ALIGNMENTS

RESULT 1

US-10-106-698-2111
; Sequence 2111, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:

; APPLICANT: Ruben et al.

; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptides

; FILE REFERENCE: PA005P1

; CURRENT APPLICATION NUMBER: US/10/106,698

; CURRENT FILING DATE: 2002-03-27

; PRIOR APPLICATION NUMBER: PCT/US00/26524

; PRIOR FILING DATE: 2000-09-28

; PRIOR APPLICATION NUMBER: US 60/157,137

; PRIOR FILING DATE: 1999-09-29

; PRIOR APPLICATION NUMBER: US 60/163,280

; PRIOR FILING DATE: 1999-11-03

; NUMBER OF SEQ ID NOS: 8564

; SOFTWARE: Patent in Ver. 3.0

; SEQ ID NO 2111

; LENGTH: 3109

; TYPE: DNA

; ORGANISM: Homo sapiens

US-10-106-698-2111

Query Match 100.0%; Score 1683; DB 15; Length 3109;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1683; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY	61	AGGAGCTGTCCAAAATGACAGGAGGTTTACAGACATATGCTTCAGATCAAGTTCAAGACA	120
DB	1224	AGGAGCTGTCCAAAATGACAGGAGGTTTACAGACATATGCTTCAGATCAAGTTCAAGACA	1283
QY	121	ATGGCTCATTCATGCTCTTTTGGGGCCCTTTTCATCAGGAATGAGCTGTCTCTCAGCGCT	180

1284 ATGGCTCATGATGCTTTTGGGGCCCTTTCATCAGAAATGGAGTGTCTCTCAGCGCT 1343
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1344 CCATCCAGCTTGAAGTAAAGGATTAACCTCCAGAACAGCCAGTGAATGCAACAG 1403
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1404 TGATCGTGACAGCAGCCGTGGGAAGGACACTTTTGTCTTATCACCTGGACAAAGCAGC 1463
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1584 ACAGTCTGCAAGCAAGCTCACAAACCTTGACCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1643
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841 AAATACAAATGGAATCCCAAGCAAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 900
2004 AAATACAAATGGAATCCCAAGCAAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2063
901 TGTGTTTCAGCAGAACATCCTCGGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 960
2064 TGTGTTTCAGCAGAACATCCTCGGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2123
961 CCATACCTGATCTCTTCCACCTGCGCAATCAGCAGCTGAGGCGGAAATTCACGGGG 1020
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1021 GCAGTCTCATTAATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1080
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1141 CTCCTTCAAGTGAATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1200
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2364 TGTGTTTAAACAGAAACATTTACTTTTGAATAATGGCAGACAGATCTTTTTCATTTGCTATTTCAGG 2423
1261 CTGTTGATAAGTGCATCTGAAATCAGAAATATCAACATTCAGACAGATATCTTTGTTTGA 1320
2424 CTGTTGATAAGTGCATCTGAAATCAGAAATATCAACATTCAGACAGATATCTTTGTTTGA 2483
1321 TTCTCTCCAGACTCCGCCAGAGACACCTAGTCTCTGATGAAACGTCGTCTCTTGTCTTA 1380
2484 TTCTCTCCAGACTCCGCCAGAGACACCTAGTCTCTGATGAAACGTCGTCTCTTGTCTTA 2543
1381 ATATTATATCAACAGACCAATCTCTGCAATTCATTTTAAATAATATGTCGAAGTGA 1440
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2604 TAGGAGAACTGAGCTGCTCAATAGCTAGGGCTGAAATTTTGTCTGAGATAAATAAATAA 2663
1501 TCATTTCATCTTTTGTGATTAATAAATTTTCTAAAAATGTAATTTTAGACTTCTCTGTAGG 1560
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2844 GTA 2846

RESULT 2
US-09-823-356-25
; Sequence 25, Application US/09823356
; Patent No. US20010025098A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Bandman, Olga
; APPLICANT: Lal, Preeti
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Yue, Henry
; APPLICANT: Corley, Neil C.
; APPLICANT: Guegler, Karl J.
; APPLICANT: Kaser, Matthew R.
; APPLICANT: Baughn, Mariah R.
; APPLICANT: Shah, Purvi
; TITLE OF INVENTION: HUMAN MEMBRANE SPANNING PROTEINS
; FILE REFERENCE: PF-0489-1 CON
; CURRENT APPLICATION NUMBER: US/09/823,356
; CURRENT FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/039,307
; PRIOR FILING DATE: 1998 March 13
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PERL Program
; SEQ ID NO 25
; LENGTH: 3111
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20010025098A1 1737775
US-09-823-356-25

Query Match 100.0%; Score 1683; DB 9; Length 3111;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1683; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AACAAAGTGGTCCCATCATCCACAGTCCGCTTTGGGGCCCTCTGCAGCTCAAGAACTAG 60

Db 1310 AACAAAGTGGTCCCATCATCCACAGTCGCTTTGGGGCCCTCTCGAGCTCAAGACTAG 1369
QY 61 AGGAGCTGTCCAAATGACAGAGGTTTACAGACATATGCTTTCAGATCAAGTTTCAGAA 120
Db 1370 AGGAGCTGTCCAAATGACAGAGGTTTACAGACATATGCTTTCAGATCAAGTTTCAGAA 1429
QY 121 ATGGCTCATTTGATGCTTTTGGGGCCCTTTCATCAGGAATGGAGTGTCTCTCAGCGCT 180
Db 1430 ATGGCTCATTTGATGCTTTTGGGGCCCTTTCATCAGGAATGGAGTGTCTCTCAGCGCT 1489
QY 181 CCATCCAGCTTCAGAGTAAAGGATTAACCCCTCCAGAACAGCCAGTGGATGAATGGCAG 240
Db 1490 CCATCCAGCTTCAGAGTAAAGGATTAACCCCTCCAGAACAGCCAGTGGATGAATGGCAG 1549
QY 241 TGATCGTGACAGCACCGTGGAAAGGACATTTGTTCTTATCATCCTTGGACAAACGACG 300
Db 1550 TGATCGTGACAGCACCGTGGAAAGGACATTTGTTCTTATCATCCTTGGACAAACGACG 1609
QY 301 CTCCTCCAAATCTCTCTGGGATCCAGTGGACAGAACGAGTGGCTTTGTAGTGGACA 360
Db 1610 CTCCTCCAAATCTCTCTGGGATCCAGTGGACAGAACGAGTGGCTTTGTAGTGGACA 1669
QY 361 AAACACCAAAATGCTTACCTCCAAATCCAGGCAATTCCTAAGGTGGCACTTGGAAAT 420
Db 1670 AAACACCAAAATGCTTACCTCCAAATCCAGGCAATTCCTAAGGTGGCACTTGGAAAT 1729
QY 421 ACAGTCTGCAAGCAAGCTCACAAACCTTGACCTGACTGTGACGCTCCGCTGGTCCAAATG 480
Db 1730 ACAGTCTGCAAGCAAGCTCACAAACCTTGACCTGACTGTGACGCTCCGCTGGTCCAAATG 1789
QY 481 CTACCTGCTCCAAATTCAGTGAATTCCTCAAAACGAAACAGGACACAGCAAAATCCCA 540
Db 1790 CTACCTGCTCCAAATTCAGTGAATTCCTCAAAACGAAACAGGACACAGCAAAATCCCA 1849
QY 541 GCCCTCTGCTAGTGTATGCAATATTCGCCAGAGGAGCTCCCAATTCCTCAGGCGCAGT 600
Db 1850 GCCCTCTGCTAGTGTATGCAATATTCGCCAGAGGAGCTCCCAATTCCTCAGGCGCAGT 1909
QY 601 TCACAGCCTGATGCTGAATCAGTGAATGGAAACAGTTTACCTTGGAACTTCTGGATATG 660
Db 1910 TCACAGCCTGATGCTGAATCAGTGAATGGAAACAGTTTACCTTGGAACTTCTGGATATG 1969
QY 661 GAGCAGTGTGATGCTACTAAGATGACGGTGTCTTACTCAAGGTATTTCAAACTTATG 720
Db 1970 GAGCAGTGTGATGCTACTAAGATGACGGTGTCTTACTCAAGGTATTTCAAACTTATG 2029
QY 721 ACACGAATGGTATGATACAGTGTAAAGTGGGGCTCTGGAGGAGTTAAGCAGCAGAC 780
Db 2030 ACACGAATGGTATGATACAGTGTAAAGTGGGGCTCTGGAGGAGTTAAGCAGCAGAC 2089
QY 781 GGAGAGTGATACCCAGCAGAGTGGAGCACTGTACATACCTGGCTGGATTGAGAATGATG 840
Db 2090 GGAGAGTGATACCCAGCAGAGTGGAGCACTGTACATACCTGGCTGGATTGAGAATGATG 2149
QY 841 AAATACATGGAAATCCACCAAGACCTGAAATTAATAGGATGATGTTCAACACAAAGCAAG 900
Db 2150 AAATACATGGAAATCCACCAAGACCTGAAATTAATAGGATGATGTTCAACACAAAGCAAG 2209
QY 901 TGTGTTTCAGCAGAACATCTCTGGAGGCTCATTTGTGGCTTCTGATGTCCCAATGTCTC 960
Db 2210 TGTGTTTCAGCAGAACATCTCTGGAGGCTCATTTGTGGCTTCTGATGTCCCAATGTCTC 2269
QY 961 CCATACCTGATCTCTTCCACCTGCGCAATCAGCAGCTGAAGCGGAAATTCACGGGG 1020
Db 2270 CCATACCTGATCTCTTCCACCTGCGCAATCAGCAGCTGAAGCGGAAATTCACGGGG 2329
QY 1021 GCAGTCTCATTAATCTGACTTGGACAGCTCTCTGGGGATGATTATGACCATGGAACAGCTC 1080
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QY 1081 ACAAGTATATCATTCGAATAGTACAAGTATTTCTTGTATCTCAGACAAAGTTCAATGAAT 1140
Db 2390 ACAAGTATATCATTCGAATAGTACAAGTATTTCTTGTATCTCAGACAAAGTTCAATGAAT 2449

QY 1141 CTCCTCAAGTGAATCTACTGCTCTCATCCCAAGAGCCAACTCTGAGGAAGTCTTTT 1200
Db 2450 CTCCTCAAGTGAATCTACTGCTCTCATCCCAAGAGCCAACTCTGAGGAAGTCTTTT 2509
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Db 2510 TGTGTTAAACCCAGAAACATTTACTTTTGAATAATGGCACAGATCTTTTCATTGCTATTTCAG 2569
QY 1261 CTGTTGATAAGGTCGATCTGAAATCAGAAATATCAAAATTCGACAGATATCTTTGTTTAA 1320
Db 2570 CTGTTGATAAGGTCGATCTGAAATCAGAAATATCAAAATTCGACAGATATCTTTGTTTAA 2629
QY 1321 TTCCTCCACAGACTCCGCGCAGAGACACCTAGTCTCTGATGAAACGTCGCTCTTGTCTTA 1380
Db 2630 TTCCTCCACAGACTCCGCGCAGAGACACCTAGTCTCTGATGAAACGTCGCTCTTGTCTTA 2689
QY 1381 ATATTTCATATCAACAGCACCATTCTCTGGCATTCACATTTTAAATAATATGTCGAAGTGA 1440
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Db 2750 TAGGAGAACTGCAAGCTGTCAATAGCTAGGGCTGAATTTTGTTCAGATAAATAAATAA 2809
QY 1501 TCATTTCATCTTTTGTGATTATAAATTTTCTAAATGTATTTTGTAGACTTCTCTGTAG 1560
Db 2810 TCATTTCATCTTTTGTGATTATAAATTTTCTAAATGTATTTTGTAGACTTCTCTGTAG 2869
QY 1561 GGGCGATATCAATATGATATATAGTACATTTTACTTAATGATTTTCTCTAGGGGCGAT 1620
Db 2870 GGGCGATATCAATATGATATATAGTACATTTTACTTAATGATTTTCTCTAGGGGCGAT 2929
QY 1621 ATACTTAATGTATTTTGTAGACTTCTCTAGGGGCGATATAAATAAATAAATAAATAA 1680
Db 2930 ATACTTAATGTATTTTGTAGACTTCTCTAGGGGCGATATAAATAAATAAATAAATAA 2989
QY 1681 GTA 1683
Db 2990 GTA 2992

RESULT 3

US-09-981-353-191
; Sequence 191, Application US/09981353
; Patent No. US20020160382A1
; GENERAL INFORMATION:
; APPLICANT: Lasek, Amy W.
; APPLICANT: Jones, David A.
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0038 US
; CURRENT APPLICATION NUMBER: US/09/981,353
; CURRENT FILING DATE: 2001-10-11
; NUMBER OF SEQ ID NOS: 194
; SOFTWARE: PERL Program
; SEQ ID NO 191
; LENGTH: 3111
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20020160382A1 1737775CB1
US-09-981-353-191

Query Match 100.0%; Score 1683; DB 9; Length 3111;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1683; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AACAAAGTGGTGGCCATCATCCACAGTCGCTTTTGGGGCCCTCTCAGCTCAAGACTAG 60
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QY 61 AGGAGCTGTCCAAATGACAGGAGGTTTACAGACATATGCTTTCAGATCAAGTTTCAGAA 120

1370 AGGAGCTGTCACAAATGACGAGGTTTACAGACATATGCTTCAGATCAAGTTCAAGACA 1429
121 ATGGCTCATTCATGCTTTTGGGGCCCTTTTCATCAGGAAATGGAGCTGCTCTCAGCGT 180
1430 ATGGCTCATTCATGCTTTTGGGGCCCTTTTCATCAGGAAATGGAGCTGCTCTCAGCGT 1489
181 CCATCCAGCTTCAGAGTAAAGGATTAACCTCCAGAACAGCCAGTGGATGAATGCACAG 240
1490 CCATCCAGCTTCAGAGTAAAGGATTAACCTCCAGAACAGCCAGTGGATGAATGCACAG 1549
241 TGATCGTGACAGCACCGTGGGAAAGGACATTTGTTCTTATCACCCTGGACCAACGCAGC 300
1550 TGATCGTGACAGCACCGTGGGAAAGGACATTTGTTCTTATCACCCTGGACCAACGCAGC 1609
301 CTCGCCAATCTCTCTGGGATCCAGTGGGACAGAGGATGGCTTTGTAGTGGACA 360
1610 CTCGCCAATCTCTCTGGGATCCAGTGGGACAGAGGATGGCTTTGTAGTGGACA 1669
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1730 ACAGCTCTGCAAGCAAGCTCACAAACCTTGACCCCTGACTGTCTACGTCCTGGTCCAATG 1789
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1850 GGCCTCTGCTGCTTATGCAATATTCGCAAGGAGCTCCCAATCTCAGGCGCAGTG 1909
601 TCACAGCCCTGATGTAATCAGTGAATGGAAACAGCTTACCTTGGAACTTACTGGATAATG 660
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661 GAGCAGGTGCTGATGCTACTAAGATGACGGTGTCTACTCAAGGTATTTTCAACACTTATG 720
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2030 ACACGAATGGTATACAGTGAATGAAAGTCGGGCTCTGGAGAGTTAAGCAGCAGAC 2089
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2090 GGAGAGTGATACCCAGCAGAGTGGAGCACTGTACATACCTGGCTGGATTGAGAAATGATG 2149
841 AAATCAATGGAAATCCACAGACCTGAAATTAATGAAGATGATGTTCAACACAGCAAG 900
2150 AAATCAATGGAAATCCACAGACCTGAAATTAATGAAGATGATGTTCAACACAGCAAG 2209
901 TGTGTTTACAGAGACATCTCTGGGAGGCTATTTGTGGCTTCTGATGTCCTCAAAATGCTC 960
2210 TGTGTTTACAGAGACATCTCTGGGAGGCTATTTGTGGCTTCTGATGTCCTCAAAATGCTC 2269
961 CCATACCTGATCTCTTCCACCTGGCCAAATCACCAGCTGAAAGCGGAAATTCACGGGG 1020
2270 CCATACCTGATCTCTTCCACCTGGCCAAATCACCAGCTGAAAGCGGAAATTCACGGGG 2329
1021 GGAGTCTATTAATCTGACTTGGACAGCTCTCTGGGATGATTAATGACCATGAAACAGCTC 1080
2330 GGAGTCTATTAATCTGACTTGGACAGCTCTCTGGGATGATTAATGACCATGAAACAGCTC 2389
1081 ACAAGTATATCATTCGAATGATCAAGTATTTCTTGATCTCAGACAGAGTTCAATGAAT 1140
2390 ACAAGTATATCATTCGAATGATCAAGTATTTCTTGATCTCAGACAGAGTTCAATGAAT 2449
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2450 CTCTTCAAGTGAATCTACTGCTCTCATCCCAAGGAAGCCAACTCTCAGGAAGTCTTTT 2509
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2510 TGTTTAAACAGAAACCAATTAATCTTTTGAATAATGGCACAGATCTTTTCAATGCTATTCAGG 2569
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1561 GGGCGATATCAATGATATATAGTACATTTTATCTAAATGATTTTCTGTTAGGGGCGAT 1620
2870 GGGCGATATCAATGATATATAGTACATTTTATCTAAATGATTTTCTGTTAGGGGCGAT 2929
1621 ATACTAAATGATTTTATAGACTTCTGTTAGGGGCGATTTAAATAAATAAATAAATAA 1680
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1681 GTA 1683
2990 GTA 2992

RESULT 4

US-10-235-994-25
; Sequence 25, Application US/10235994
; Publication No. US20030101002A1
; GENERAL INFORMATION:
; APPLICANT: Bartha, Gabor
; APPLICANT: Walker, Michael
; TITLE OF INVENTION: METHODS FOR ANALYZING GENE EXPRESSION PATTERNS
; FILE REFERENCE: ICYTP012
; CURRENT APPLICATION NUMBER: US/10/235,994
; CURRENT FILING DATE: 2002-09-04
; PRIOR APPLICATION NUMBER: US/10/003,608
; PRIOR FILING DATE: 2001-11-01
; PRIOR APPLICATION NUMBER: 60/245,081
; PRIOR FILING DATE: 2000-11-01
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 25
; LENGTH: 3111
; TYPE: DNA
; ORGANISM: Human
US-10-235-994-25

Query Match 100.0%; Score 1683; DB 15; Length 3111;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1683; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 AACAAAGTGGTGGCCATCATCCACAGTCGCTTTTGGGGCCCTCTCAGCTCAAGAACTAG 60
DB 1310 AACAAAGTGGTGGCCATCATCCACAGTCGCTTTTGGGGCCCTCTCAGCTCAAGAACTAG 1369
QY 61 AGGAGCTCTCCAAATGACAGAGGTTTACAGACATATGCTTTCAGATCAAGTTCAGAAC 120
DB 1370 AGGAGCTCTCCAAATGACAGAGGTTTACAGACATATGCTTTCAGATCAAGTTCAGAAC 1429

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QY 181 CCATCCAGCTTCAGAGTAAGGATTAACCTCCAGAACAGCCAGTGGATGAATGGCACAG 240
Db 1490 CCATCCAGCTTCAGAGTAAGGATTAACCTCCAGAACAGCCAGTGGATGAATGGCACAG 1549
QY 241 TGATCGTGACAGCACCGTGGGAAAGGACATTTTGTCTTATCACCCTGGACAAACGCGCAG 300
Db 1550 TGATCGTGACAGCACCGTGGGAAAGGACATTTTGTCTTATCACCCTGGACAAACGCGCAG 1609
QY 301 CTCGCCAAATCTCTCTCGGATCCAGTGGAGCAAGCAAGGTGGCTTTGTAGTGGACA 360
Db 1610 CTCGCCAAATCTCTCTCGGATCCAGTGGAGCAAGCAAGGTGGCTTTGTAGTGGACA 1669
QY 361 AAAACACCAAAATGGCCTACCTCCAAATCCAGGCATTCCTAAGGTGGCACTTGGAAAT 420
Db 1670 AAAACACCAAAATGGCCTACCTCCAAATCCAGGCATTCCTAAGGTGGCACTTGGAAAT 1729
QY 421 ACAGTCTGCAAGCAAGCTCACAAACCTTGACCTGACTGTCTCAGTCCCGTGGGTCCAAATG 480
Db 1730 ACAGTCTGCAAGCAAGCTCACAAACCTTGACCTGACTGTCTCAGTCCCGTGGGTCCAAATG 1789
QY 481 CTACCCCTGCTCCAAATACAGTGACTTCCAAACGAAACAGGACACCAAGCAAAATCCCCA 540
Db 1790 CTACCCCTGCTCCAAATACAGTGACTTCCAAACGAAACAGGACACCAAGCAAAATCCCCA 1849
QY 541 GCCCTCTGCTAGTTTATGCAATATTCGCCAAGGAGCCTCCCAATCTCAGGCGCAGTG 600
Db 1850 GCCCTCTGCTAGTTTATGCAATATTCGCCAAGGAGCCTCCCAATCTCAGGCGCAGTG 1909
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Db 1910 TCACAGCCCTGATGTAATCAGTGAATGGAATGGAATGGAATGGAATGGAATGGAATG 1969
QY 661 GAGCAGGTCTGATGCTACTAAGGATGAGCGGTGCTTACTCAAGGTATTTCACAACTTATG 720
Db 1970 GAGCAGGTCTGATGCTACTAAGGATGAGCGGTGCTTACTCAAGGTATTTCACAACTTATG 2029
QY 721 ACAGGATGATACAGTGTAAAGTGGGGCTCTGGAGGAGTTAAGCGAGCCAGAG 780
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Db 2210 TGTGTTTACGACAGACATCTCGGAGGCTCATTTGTGGCTTCTGATGTCCTCAAAATGCTC 2269
QY 961 CCATACCTGATCTTTCCACCTGGCCAAATCACCGACTGAGGCGGAAATTCAGGGG 1020
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QY 1021 GCAGTCTCAATTAATCTGACTTGGACAGCTCCCTGGGATGATGATGACCATGGAACAGCTC 1080
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QY 1141 CTCCTCAAGTGAATACTGCTCTCATCCCAAGGAGCCAACTCTGAGGAGTCTTTT 1200
Db 2450 CTCCTCAAGTGAATACTGCTCTCATCCCAAGGAGCCAACTCTGAGGAGTCTTTT 2509
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QY 1201 TGTTTAAACCAAGAACATTTACTTTTGAATAAGGCACAGATCTTTTCATTGCTATTTCAGG 1260
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QY 1261 CTGTTGATAAGTCTGATCTGAAATCAGAAATATCAACATTCACGAGTATCTTTGTTTA 1320
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QY 1321 TTCTCTCCACAGACTCCGCCAGAGACAACCTAGTCTCTGATGAAACGCTGCTCTTGTCTTA 1380
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QY 1561 GGGCGATATCTAAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATG 1620
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Db 2930 ATACTAAATGTAATTTTGTAGACTTCTGAGGGCGGATGAAATAAATAAATAAATAAATAA 2989
QY 1681 GTA 1683
Db 2990 GTA 2992

RESULT 5
US-09-764-868-22
; Sequence 22, Application US/09764868
; Patent No. US20020168711A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PT232
; CURRENT APPLICATION NUMBER: US/09/764,868
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 1510
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 22
; LENGTH: 3267
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-868-22

Query Match 100.0%; Score 1683; DB 9; Length 3267;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1683; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ACAAAGTGGTGCCATCATCCACAGTGCCTTTGGGGCCCTCTGAGCTCAAGAACTAG 60
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QY 61 AGGAGCTGTCGCAAAATGACAGGAGTTTACAGACATATGCTTCAGATCAAGTTCAGAA 120
Db 1371 AGGAGCTGTCGCAAAATGACAGGAGTTTACAGACATATGCTTCAGATCAAGTTCAGAA 1430
QY 121 ATGGCTCATTCATGCTTTTGGGGCCCTTTTCATCAGGAAATGAGCTGCTCTCAGCGCT 180
Db 1431 ATGGCTCATTCATGCTTTTGGGGCCCTTTTCATCAGGAAATGAGCTGCTCTCAGCGCT 1490
QY 181 CCATCCAGCTTCAGAGTAAGGATTAACCTCCAGAACAGCCAGTGGATGAATGGCACAG 240
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QY 241 TGATCGTGACAGACACCGTGGGAAAGGACACTTTCTTTATACCTGGGCAACGCGAGC 300
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Db 1791 CTACCTCTGCTCCAAATACAGTGACTTCCAAACGAAACAGGACACAGCAAAATCCCA 1850
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Db 2511 TGTGTTAAACGAGAAACATTTACTTTTGAATAGGACAGATCTTTTCAATGCTATTTCAGG 2570
QY 1261 CTGTTGATAGGTGCGATCTGAAATCAGAAATATCCAACTTCACAGGATCTTTTGTGTTA 1320

Db 2571 CTGTTGATAGGTGCGATCTGAAATCAGAAATATCCAACTTCACAGGATATCTTTGTGTTA 2630
QY 1321 TTCTCTCCACAGACTCCGCCAGAGACACCTAGTCTCTGATGAAACGCTGCTCTCTTCTCCTA 1380
Db 2631 TTCTCTCCACAGACTCCGCCAGAGACACCTAGTCTCTGATGAAACGCTGCTCTCTTCTCCTA 2690
QY 1381 ATATTCAATATCAACAGACACCAATCTCTGGCAATTCACATTTTAAAAATATGTGGAAGTGA 1440
Db 2691 ATATTCAATATCAACAGACACCAATCTCTGGCAATTCACATTTTAAAAATATGTGGAAGTGA 2750
QY 1441 TAGAGAACTCAGCTGTCAATAGCTAGGCTGAATTTTGTGAGATAAATAAATAAATAA 1500
Db 2751 TAGAGAACTCAGCTGTCAATAGCTAGGCTGAATTTTGTGAGATAAATAAATAAATAA 2810
QY 1501 TCATTTCATCTTTTGTGATTATAAAATTTTCTAAAAATATTTTAGACTTCTCTGTAGG 1560
Db 2811 TCATTTCATCTTTTGTGATTATAAAATTTTCTAAAAATATTTTAGACTTCTCTGTAGG 2870
QY 1561 GGGCGATATCTAAATGTATATAGTACATTTTATCTAAATGTATTTCTGTAGGGGCGGAT 1620
Db 2871 GGGCGATATCTAAATGTATATAGTACATTTTATCTAAATGTATTTCTGTAGGGGCGGAT 2930
QY 1621 ATACTAAATGTATTTAGACTTCTGTAGGGGCGGATAAAAATAAATGCTAAACACTGG 1680
Db 2931 ATACTAAATGTATTTAGACTTCTGTAGGGGCGGATAAAAATAAATGCTAAACACTGG 2990
QY 1681 GTA 1683
Db 2991 GTA 2993

RESULT 6

US-10-055-412B-27
; Sequence 27, Application US/10055412B
; Publication No. US20030059861A1
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0058
; CURRENT APPLICATION NUMBER: US/10/055,412B
; CURRENT FILING DATE: 2001-10-29
; PRIOR APPLICATION NUMBER: US/09/193,562
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 27
; LENGTH: 3007
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-055-412B-27

Query Match 99.6%; Score 1676.6; DB 15; Length 3007;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 1679; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 AACAAAGTGGTGCCATCATCCACACAGTCGCTTTGGGGCCCTCTGCAGCTCAAGAACTAG 60
Db 1323 AACAAAGTGGTGCCATCATCCACACAGTCGCTTTGGGGCCCTCTGCAGCTCAAGAACTAG 1382
QY 61 AGGAGCTCTCCAAATGACAGAGGTTTACAGACATATGCTTCAGATCAAGTTTCAGAAACA 120
Db 1383 AGGAGCTCTCCAAATGACAGAGGTTTACAGACATATGCTTCAGATCAAGTTTCAGAAACA 1442
QY 121 ATGGCTCATTTGATGCTTTTGGGGCCCTTTTCATCAGGAAATGGAGCTGTCTCTCAGCGCT 180
Db 1443 ATGGCTCATTTGATGCTTTTGGGGCCCTTTTCATCAGGAAATGGAGCTGTCTCTCAGCGCT 1502
QY 181 CCATCCAGCTTGAGAGTAAGGATTAACCTCCAGAACAGCCAGTGGATGATGACACAG 240
Db 1503 CCATCCAGCTTGAGAGTAAGGATTAACCTCCAGAACAGCCAGTGGATGATGACACAG 1562

QY 241 TGATCGTGCAGCAGCCGTGGGAAGGACACCTTTGTTCTTATCACTCGGACAAAGCCAGC 300
Db 1563 TGATGTTGACAGCAGCCGTGGGAAGGACACCTTTGTTCTTATCACTCGGACAAAGCCAGC 1622
QY 301 CTCCTCCAAATCCTTCTCTGGGATCCAGTGGACAGAAAGAGTGGCTTTGTAGTGGACA 360
Db 1623 CTCCTCCAAATCCTTCTCTGGGATCCAGTGGACAGAAAGAGTGGCTTTGTAGTGGACA 1682
QY 361 AAAACACCAAAATGGCTTCACTCCAAATCCCAGGCATTTGCTAAGTGTGGCACTTTGGAAT 420
Db 1683 AAAACACCAAAATGGCTTCACTCCAAATCCCAGGCATTTGCTAAGTGTGGCACTTTGGAAT 1742
QY 421 ACAGTCTGCAAGCAGCTCACAACTTGACCTGACTGTCTGAGTCCCGTGGTCCAATG 480
Db 1743 ACAGTCTGCAAGCAGCTCACAACTTGACCTGACTGTCTGAGTCCCGTGGTCCAATG 1802
QY 481 CTACCTCGCTCCAAATACAGTGACTTCCAAAGCAAGACACAGCAAAATCCCCA 540
Db 1803 CTACCTCGCTCCAAATACAGTGACTTCCAAAGCAAGACACAGCAAAATCCCCA 1862
QY 541 GGCCTCTGTAGTTATGCAAAATATTCGCCAAGGAGCCTCCCAATTTCTCAGGGCCAGTG 600
Db 1863 GGCCTCTGTAGTTATGCAAAATATTCGCCAAGGAGCCTCCCAATTTCTCAGGGCCAGTG 1922
QY 601 TCACAGCCCTGATTGNAATCAGTGAATGGAAACAGTTACCTTGGAACTACTGGATAATG 660
Db 1923 TCACAGCCCTGATTGNAATCAGTGAATGGAAACAGTTACCTTGGAACTACTGGATAATG 1982
QY 661 GAGCAGTCTGATGCTACTAAGGATGACGGTGTCTACTCAAGGTATTTCACAACTTATG 720
Db 1983 GAGCAGTCTGATGCTACTAAGGATGACGGTGTCTACTCAAGGTATTTCACAACTTATG 2042
QY 721 ACACGAATGGTAGATACAGTGTAAAGTGGGGCTCTGGGAGGAGTTAACGCGACGACAG 780
Db 2043 ACACGAATGGTAGATACAGTGTAAAGTGGGGCTCTGGGAGGAGTTAACGCGACGACAG 2102
QY 781 GGAGAGTATACCCGAGAGTGGAGCTGTGATACATACCTGGCTGGATGGATGATG 840
Db 2103 GGAGAGTATACCCGAGAGTGGAGCTGTGATACATACCTGGCTGGATGGATGATG 2162
QY 841 AAATCAATGGAAATCCACCAAGACCTGAAATTAATAGGATGATGTTCAACACAGCAAG 900
Db 2163 AAATCAATGGAAATCCACCAAGACCTGAAATTAATAGGATGATGTTCAACACAGCAAG 2222
QY 901 TGTGTTTTCAGCAGAAATCCTCGGAGGCTCAATTTGTGGCTTCTGATGTCCCAATGCTC 960
Db 2223 TGTGTTTTCAGCAGAAATCCTCGGAGGCTCAATTTGTGGCTTCTGATGTCCCAATGCTC 2282
QY 961 CCATACCTGATCTCTTCCACCTGGCCAAATCACCGACCTGAAGCGGAAATTCACGGGG 1020
Db 2283 CCATACCTGATCTCTTCCACCTGGCCAAATCACCGACCTGAAGCGGAAATTCACGGGG 2342
QY 1021 GCAGTCTCAATTAATCTGACTGACAGCTCTGGGGATGATTTATGACCATGGAACAGCTC 1080
Db 2343 GCAGTCTCAATTAATCTGACTGACAGCTCTGGGGATGATTTATGACCATGGAACAGCTC 2402
QY 1081 ACAAGTATATCAATTCGAATAAGTACAAGTATTTCTTGATCTCAGAGCAAGTTCAATGAAT 1140
Db 2403 ACAAGTATATCAATTCGAATAAGTACAAGTATTTCTTGATCTCAGAGCAAGTTCAATGAAT 2462
QY 1141 CTCCTCAAGTGAATACTACTGTCTCATCCCAAGGAAGCCAACTCTGAGGAAGTCTTTT 1200
Db 2463 CTCCTCAAGTGAATACTACTGTCTCATCCCAAGGAAGCCAACTCTGAGGAAGTCTTTT 2522
QY 1201 TGTTTTAAACCAAAACATTTCTTTTGAATGGACAGATCTTTTTCATTTGCTATTCAGG 1260
Db 2523 TGTTTTAAACCAAAACATTTCTTTTGAATGGACAGATCTTTTTCATTTGCTATTCAGG 2582
QY 1261 CTGTTGATAAGGTGCGATCTGAAATCAGAAATATCCAACTTCAGCAGTATCTTTTGTGTTA 1320
Db 2583 CTGTTGATAAGGTGCGATCTGAAATCAGAAATATCCAACTTCAGCAGTATCTTTTGTGTTA 2642
QY 1321 TTCCTCCACAGACTCGGCCAGAGACACCTAGTCTCTGA TGAAGACGTCTGCTCCTTGTCTTA 1380

Db 2643 TTCTCCACAGACTCCGCCAGAGACACCTAGTCCGTGATGAAAACGTCTGCTCTGTCTTA 2702
QY 1381 ATATTCAATATCAACAGCACCATTCTCGCATTCACATTTTAAAAATTTATGTGGAAGTGA 1440
Db 2703 ATATTCAATATCAACAGCACCATTCTCGCATTCACATTTTAAAAATTTATGTGGAAGTGA 2762
QY 1441 TAGGAGAACTGCAGCTGTCAATAGCTAGGGCTGAATTTTGTTCAGATAAAATAAAATAA 1500
Db 2763 TAGGAGAACTGCAGCTGTCAATAGCTAGGGCTGAATTTTGTTCAGATAAAATAAAATAA 2822
QY 1501 TCATTTCATCTTTTTCATTTATATAAAATTTTCTAAAAATGTTATTTAGACTTCTCTAGG 1560
Db 2823 TCATTTCATCTTTTTCATTTATATAAAATTTTAAAAATGTTATTTAGAAITTCCTGTAGG 2882
QY 1561 GGGCGATATCTAAATATGATATAGTACATTTATCTAAATGTTATTCCTAGGGGGCGAT 1620
Db 2883 GGGCGATATCTAAATATGATATAGTACATTTATCTAAATGTTATTCCTAGGGGGCGAT 2942
QY 1621 ATACTAAATGTTATTTAGACTTCTGTAGGGGGCGATAAAAATGATAAACTGCTAACTGG 1680
Db 2943 ATACTAAATGTTATTTAGAAATTCCTGTAGGGGGCGATAAAAATGATAAACTGCTAACTGG 3002
QY 1681 GTA 1683
Db 3003 GGA 3005

RESULT 7
US-09-922-217-1056
; Sequence 1056, Application US/09922217
; Patent No. US20020076414A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather
; APPLICANT: Benson, Darin R.
; APPLICANT: Meagher, Madeleine Joy
; APPLICANT: Stolk, John A.
; APPLICANT: Wang, Tongtong
; APPLICANT: Jiang, Yuxiu
; APPLICANT: Smith, Carole Lynn
; APPLICANT: King, Gordon E.
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; TITLE OF INVENTION: OF COLON CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.471C13
; CURRENT APPLICATION NUMBER: US/09/922,217
; CURRENT FILING DATE: 2001-08-03
; NUMBER OF SEQ ID NOS: 1124
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1056
; LENGTH: 3311
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-922-217-1056

Query Match 99.3%; Score 1671; DB 9; Length 3311;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1682; Conservative 0; Mismatches 0; Indels 1; Gaps 1;
QY 1 AACAAAGTGGTGCCATCATCCACAGCTCGCTTTGGGGCCCTCTGCGAGCTCAAGAACTAG 60
Db 1628 AACAAAGTGGTGCCATCATCCACAGCTCGCTTTGGGGCCCTCTGCGAGCTCAAGAACTAG 1687
QY 61 AGGAGCTGTCCAAAATGACAGAGGTTTACAGACATATGCTTTCAGATCAAGTTTCAGAAC 120
Db 1688 AGGAGCTGTCCAAAATGACAGAGGTTTACAGACATATGCTTTCAGATCAAGTTTCAGAAC 1747
QY 121 ATGGCTCATTTGATGCTTTTGGGGCCCTTTTATCAGGAAATGGAGCTGTCTCTCAGCGCT 180
Db 1748 ATGGCTCATTTGATGCTTTTGGGGCCCTTTTATCAGGAAATGGAGCTGTCTCTCAGCGCT 1807

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QY 181 CCATCCAGCTTCAGAGTAAGGATTAACCTCCAGAACAGCCAGTCAGTGAATGCGACAG 240
Db 1808 CCATCCAGCTTCAGAGTAAGGATTAACCTCCAGAACAGCCAGTCAGTGAATGCGACAG 1867
QY 241 TGATCGTGAAGACCGTGGGAAAGGACATTTTGTCTTATCACTTGGAACAACGCGAGC 300
Db 1868 TGATCGTGAAGACCGTGGGAAAGGACATTTTGTCTTATCACTTGGAACAACGCGAGC 1927
QY 301 CTCGCCAAATCTCTCTGGGATCCAGTGGACAGACGAAGGTGGCTTTGTAGTGGACA 360
Db 1928 CTCGCCAAATCTCTCTGGGATCCAGTGGACAGACGAAGGTGGCTTTGTAGTGGACA 1987
QY 361 AAAACACCAAAATGGCTACCTCCAAATCCAGGCAATTCCTAAGGTGGCACTTCGAAAT 420
Db 1988 AAAACACCAAAATGGCTACCTCCAAATCCAGGCAATTCCTAAGGTGGCACTTCGAAAT 2047
QY 421 ACAGTCTGCAAGCAAGCTCACAACCTTGACCTGATGTCTACGTCGCGTCCGTCCTCAATG 480
Db 2048 ACAGTCTGCAAGCAAGCTCACAACCTTGACCTGATGTCTACGTCGCGTCCGTCCTCAATG 2107
QY 481 CTACCTGCTCCTCAATTAAGTACTTCCAAACGAAACGAAGCACACCAAGCAAAATCCCGCA 540
Db 2108 CTACCTGCTCCTCAATTAAGTACTTCCAAACGAAACGAAGCACACCAAGCAAAATCCCGCA 2167
QY 541 GGCCTCTGCTAGTTATGCAAAATATTCGCAAGGAGCCTCCCAATTCCTCAGGGCCAGTG 600
Db 2168 GGCCTCTGCTAGTTATGCAAAATATTCGCAAGGAGCCTCCCAATTCCTCAGGGCCAGTG 2227
QY 601 TCACAGCCCTGATGAATCAGTGAATGGAAACAGTTACCTTGGAACTACTTGGATAATG 660
Db 2228 TCACAGCCCTGATGAATCAGTGAATGGAAACAGTTACCTTGGAACTACTTGGATAATG 2287
QY 661 GAGCAGGTCTGATGCTACTAAGATGAGCGGTGTCTACTCAAGGTATTTCAACAATTATG 720
Db 2288 GAGCAGGTCTGATGCTACTAAGATGAGCGGTGTCTACTCAAGGTATTTCAACAATTATG 2347
QY 721 ACACGAATGGTAGATACAGTGTAAAGTGGGGCTCTGGAGGAGTTAACGCGAGCCAGAC 780
Db 2348 ACACGAATGGTAGATACAGTGTAAAGTGGGGCTCTGGAGGAGTTAACGCGAGCCAGAC 2407
QY 781 GGAGAGTGATACCCAGCAGAGTGGAGCACTGTACATCCTGGCTGGATTGAGATGATG 840
Db 2408 GGAGAGTGATACCCAGCAGAGTGGAGCACTGTACATCCTGGCTGGATTGAGATGATG 2467
QY 841 AAATACATGGAAATCCACCAAGACCTGAATTAATTAAGGATGATGTTCAACACAGCAAG 900
Db 2468 AAATACATGGAAATCCACCAAGACCTGAATTAATTAAGGATGATGTTCAACACAGCAAG 2527
QY 901 TGTGTTTCAGCAGAAACATCTCGGAGGCTCATTTGTGGCTTCTGATGTCCCAAAATGCTC 960
Db 2528 TGTGTTTCAGCAGAAACATCTCGGAGGCTCATTTGTGGCTTCTGATGTCCCAAAATGCTC 2587
QY 961 CCATACCTGATCTCTTCCCACTGGCCAAATCAGCAGCTGAAGCGGAAATTCACGGGG 1020
Db 2588 CCATACCTGATCTCTTCCCACTGGCCAAATCAGCAGCTGAAGCGGAAATTCACGGGG 2647
QY 1021 GCAGTCTATTAATCTGACTTGGACAGCTCTCGGGATGATTAACCATGGAACAGCTC 1080
Db 2648 GCAGTCTATTAATCTGACTTGGACAGCTCTCGGGATGATTAACCATGGAACAGCTC 2707
QY 1081 ACAAGTATATCATTCGAATAAGTACAGTATTTCTTGATCTCAGACAGCAAGTTCAATGAAT 1140
Db 2708 ACAAGTATATCATTCGAATAAGTACAGTATTTCTTGATCTCAGACAGCAAGTTCAATGAAT 2767
QY 1141 CTCCTTCAAGTGAATACTACTGCTCTCATCCCAAGGAAGCCAACTCTGAGGAAGTCTTTT 1200
Db 2768 CTCCTTCAAGTGAATACTACTGCTCTCATCCCAAGGAAGCCAACTCTGAGGAAGTCTTTT 2827
QY 1201 TGTTTAAACCAAGAAACATTTCTTTGAAAATGGCACAGATCTTTTCAATGCTATTCAGG 1260
Db 2828 TGTTTAAACCAAGAAACATTTCTTTGAAAATGGCACAGATCTTTTCAATGCTATTCAGG 2887
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QY 1261 CTGTTGATAAGGTGATCTGAAATCAGAAATATCAACATTCACAGATATCTTTGTTTA 1320
Db 2888 CTGTTGATAAGGTGATCTGAAATCAGAAATATCAACATTCACAGATATCTTTGTTTA 2947
QY 1321 TTCTTCCACAGACTCCGCCAGAGACACCTAGTCTCTGATGAAACGTCCTCTTCTGCTTA 1380
Db 2948 TTCTTCCACAGACTCCGCCAGAGACACCTAGTCTCTGATGAAACGTCCTCTTCTGCTTA 3007
QY 1381 ATATTTCATATCAACAGACACCATCTCTGGCATTTCATTTTAAAAATTTATGTGGAAGTGA 1440
Db 3008 ATATTTCATATCAACAGACACCATCTCTGGCATTTCATTTTAAAAATTTATGTGGAAGTGA 3067
QY 1441 TAGGAGAACTCAGCTGTCAATAGCTAGGCTGAATTTTGTGAGATAAAATAAAATAAA 1500
Db 3068 TAGGAGAACTCAGCTGTCAATAGCTAGGCTGAATTTTGTGAGATAAAATAAAATAAA 3127
QY 1501 TCATTTCATCTTTTGTGATTATAAATTTTCTAAAAATGTTTATAGACTTCTCTGTTAGG 1560
Db 3128 TCATTTCATCTTTTGTGATTATAAATTTTCTAAAAATGTTTATAGACTTCTCTGTTAGG 3186
QY 1561 GGGCGATATCTAAATGTATATAGTACATTTTATATACTAAATGTTTCTGTAGGGGGCGAT 1620
Db 3187 GGGCGATATCTAAATGTATATAGTACATTTTATATACTAAATGTTTCTGTAGGGGGCGAT 3246
QY 1621 ATACTAAATGTATTTTAGACTTCTGTAGGGGGCGATAAAAATAAAATGCTAAACAACTGG 1680
Db 3247 ATACTAAATGTATTTAGACTTCTGTAGGGGGCGATAAAAATAAAATGCTAAACAACTGG 3306
QY 1681 GTA 1683
Db 3307 GTA 3309

RESULT 8
US-09-833-263-1056
; Sequence 1056, Application US/09833263
; Patent No. US20020110547A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; APPLICANT: Stolk, John A.
; APPLICANT: Meagher, Madeleine J.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF COLON CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.471C12
; CURRENT APPLICATION NUMBER: US/09/833.263
; CURRENT FILING DATE: 2001-04-10
; NUMBER OF SEQ ID NOS: 1093
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1056
; LENGTH: 3311
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-833-263-1056

Query Match 99.3%; Score 1671; DB 9; Length 3311;
Best Local Similarity 99.9%; Pred No. 0;
Matches 1682; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 1 AACAAAGTGGTGCCATCATCCACACAGTCGCTTTGGGGCCCTCTGCAGCTCAAGAACTAG 60
Db 1628 AACAAAGTGGTGCCATCATCCACACAGTCGCTTTGGGGCCCTCTGCAGCTCAAGAACTAG 1687
QY 61 AGGAGCTGTCCAAATGACAGAGGTTTACAGACATATGCTTCAGATCAAGTTCAAGACA 120
Db 1688 AGGAGCTGTCCAAATGACAGAGGTTTACAGACATATGCTTCAGATCAAGTTCAAGACA 1747
QY 121 ATGGCCTCATTTGATGCTTTTGGGGCCCTTTTCATCAGGAAATGGAGCTGCTCTCAGCGCT 180
Db 1748 ATGGCCTCATTTGATGCTTTTGGGGCCCTTTTCATCAGGAAATGGAGCTGCTCTCAGCGCT 1807
QY 181 CCATCCAGCTTGAGAGTAAGGATTAACCTCCAGAACAGCCAGTCAGTGAATGCGACAG 240
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Db 1808 CCATCAGCTTGAGAGTAAGGATTAACCCCTCCAGAACAGCCAGTGGATGAATGGCAGC 1867
QY 241 TGATCGTGAGCAGCACCGTGGAAAGGACACATTTGTTCTTATCACCTGGACAAACGCGAC 300
Db 1868 TGATCGTGAGCAGCACCGTGGAAAGGACACATTTGTTCTTATCACCTGGACAAACGCGAC 1927
QY 301 CTCCGCAATCTCTCTGGGATCCAGTGGACAGAACGAGTGGCTTTGTAGTGGACA 360
Db 1928 CTCCGCAATCTCTCTGGGATCCAGTGGACAGAACGAGTGGCTTTGTAGTGGACA 1987
QY 361 AAAACACCAAAATGGCTACCTCCAAATCCAGGCAATTCCTAAGTGTGGCACTTGGAAAT 420
Db 1988 AAAACACCAAAATGGCTACCTCCAAATCCAGGCAATTCCTAAGTGTGGCACTTGGAAAT 2047
QY 421 ACAGTCTGCAAGCAAGCTCACAAACCTTGACCCCTGACTGTGCTGCTCCGCTGGTCCAATG 480
Db 2048 ACAGTCTGCAAGCAAGCTCACAAACCTTGACCCCTGACTGTGCTGCTCCGCTGGTCCAATG 2107
QY 481 CTACCTGCTCCTCAATTAAGTGAATTCCTCAAAACGAAACAGGACACAGCAAAATCCCCCA 540
Db 2108 CTACCTGCTCCTCAATTAAGTGAATTCCTCAAAACGAAACAGGACACAGCAAAATCCCCCA 2167
QY 541 GCCCTCTGCTAGTTATGCAATATTCGCCAAGGAGCCTCCCAATTCCTCAGGCGCAGTG 600
Db 2168 GCCCTCTGCTAGTTATGCAATATTCGCCAAGGAGCCTCCCAATTCCTCAGGCGCAGTG 2227
QY 601 TCACAGCCTGATGTAATCAGTGAATGAATGAATGAATGAATGAATGAATGAATGAATG 660
Db 2228 TCACAGCCTGATGTAATCAGTGAATGAATGAATGAATGAATGAATGAATGAATG 2287
QY 661 GAGCAGGCTGATGCTACTAAGATGACGGGTGTCTACTCAAGGTATTTCACAACTTATG 720
Db 2288 GAGCAGGCTGATGCTACTAAGATGACGGGTGTCTACTCAAGGTATTTCACAACTTATG 2347
QY 721 ACAGCAATGATGATACAGTGTAAAGTGGGGCTCTGGAGAGTAAACGAGCCAGAC 780
Db 2348 ACAGCAATGATGATACAGTGTAAAGTGGGGCTCTGGAGAGTAAACGAGCCAGAC 2407
QY 781 GGAGAGTATACCCAGCAGAGTGGAGCTGTACATACCTGGCTGGATGAGATGATG 840
Db 2408 GGAGAGTATACCCAGCAGAGTGGAGCTGTACATACCTGGCTGGATGAGATGATG 2467
QY 841 AAATACAATGGAATCCACCAAGACCTGAAATTAATTAAGGATGATGTTCAACCAAGCAAG 900
Db 2468 AAATACAATGGAATCCACCAAGACCTGAAATTAATTAAGGATGATGTTCAACCAAGCAAG 2527
QY 901 TGTGTTTACGAGAAACATCTCGGAGGCTCATTTGTGGCTTCTGATGTCCTCCAAATGCTC 960
Db 2528 TGTGTTTACGAGAAACATCTCGGAGGCTCATTTGTGGCTTCTGATGTCCTCCAAATGCTC 2587
QY 961 CCATACCTGATCTCTTCCACCTGGCCAAATCACCGACCTGAAGCGGAAATTCACGGGG 1020
Db 2588 CCATACCTGATCTCTTCCACCTGGCCAAATCACCGACCTGAAGCGGAAATTCACGGGG 2647
QY 1021 GCAGTCTCATTAATCTGACTTGACAGCTCCTGGGATGATTAACCATGGAACAGCTC 1080
Db 2648 GCAGTCTCATTAATCTGACTTGACAGCTCCTGGGATGATTAACCATGGAACAGCTC 2707
QY 1081 ACAAGTATATCATTCGAAATGATCAAGTATTTCTGATCTCAGACCAAGTTCATGAAT 1140
Db 2708 ACAAGTATATCATTCGAAATGATCAAGTATTTCTGATCTCAGACCAAGTTCATGAAT 2767
QY 1141 CTCCTCAAGTATATCTACTGCTCTCATCCCAAGGAGCCACTCTGAGGAGTCTTTT 1200
Db 2768 CTCCTCAAGTATATCTACTGCTCTCATCCCAAGGAGCCACTCTGAGGAGTCTTTT 2827
QY 1201 TGTTTAAACAGAAAACATTTCTTTGAAAATGGCACAGATCTTTTCATTGCTATTTCAGG 1260
Db 2828 TGTTTAAACAGAAAACATTTCTTTGAAAATGGCACAGATCTTTTCATTGCTATTTCAGG 2887
QY 1261 CTGTTGATAGGTGATCTGTAATCAGAAATATCCAAACATTCACAGATCTTTTGTGTTA 1320
Db 2888 CTGTTGATAGGTGATCTGTAATCAGAAATATCCAAACATTCACAGATCTTTTGTGTTA 2947

QY 1321 TTCCTCCACAGACTCCGCCAGAGACACCTAGTCTCTGATGAAACGTCCTGCTCTTGTCTTA 1380
Db 2948 TTCCTCCACAGACTCCGCCAGAGACACCTAGTCTCTGATGAAACGTCCTGCTCTTGTCTTA 3007
QY 1381 ATATTTCATATCAACAGCACCCTCTGTCATTCACATTTTAAAAATTTATGTCGAAAGTGA 1440
Db 3008 ATATTTCATATCAACAGCACCCTCTGTCATTCACATTTTAAAAATTTATGTCGAAAGTGA 3067
QY 1441 TAGGAGAACTGCAGCTGTCAATAGCTAGGGCTGAATTTTGTTCAGATAAAATAAATAA 1500
Db 3068 TAGGAGAACTGCAGCTGTCAATAGCTAGGGCTGAATTTTGTTCAGATAAATAAATAA 3127
QY 1501 TCATTTCATCTTTTTCATTAATTAATAATTTCTAAAAATTTTCTAAAAATTTTCTGCTAGG 1560
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QY 1561 GGGCGATATACATAATGATATAGTACATTTTATCTAAATGATTTCTCTAGGGGCGAT 1620
Db 3187 GGGCGATATACATAATGATATAGTACATTTTATCTAAATGATTTCTCTAGGGGCGAT 3246
QY 1621 ATACTAAATGATTTTTCATTAATTTTCTGCTAGGGGCGATAAAAATAAATGCTAAACACTGG 1680
Db 3247 ATACTAAATGATTTTTCATTAATTTTCTGCTAGGGGCGATAAAAATAAATGCTAAACACTGG 3306
QY 1681 GTA 1683
Db 3307 GTA 3309

RESULT 9

US-10-025-380-1056
; Sequence 1056, Application US/10025380
; Publication No. US20020182191A1

; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun

; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather

; APPLICANT: Benson, Darin R.
; APPLICANT: Meagher, Madeleine Joy

; APPLICANT: Stolk, John A.
; APPLICANT: Wang, Tongtong

; APPLICANT: Jiang, Yuqiu
; APPLICANT: Smith, Carole L.

; APPLICANT: King, Gordon E.
; APPLICANT: Wang, Aijun

; APPLICANT: Clapper, Jonathan D.
; APPLICANT: Skeiky, Yasir A. W.

; APPLICANT: Fanger, Gary R.
; APPLICANT: Vedwick Thomas S.

; APPLICANT: Carter, Darick
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS

; TITLE OF INVENTION: OF COLON CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.471C14

; CURRENT APPLICATION NUMBER: US/10/025,380
; CURRENT FILING DATE: 2001-12-19

; NUMBER OF SEQ ID NOS: 1129
; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 1056
; LENGTH: 3311

; TYPE: DNA
; ORGANISM: Homo sapiens

US-10-025-380-1056

Query Match 99.3%; Score 1671; DB 14; Length 3311;
Best Local Similarity 99.9%; Pred. No. 0;

Matches 1682; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 1 AACAAAGTGGTCCCATCCACAGTCGCTTTTGGGGCCCTCTGCAGCTCAAGAACTAG 60

Db 1628 AACAAAGTGGTCCCATCCACAGTCGCTTTTGGGGCCCTCTGCAGCTCAAGAACTAG 1687

QY 61 AGGAGCTGTCCAAATGACAGGAGGTTTACAGACATATGCTTCAGATCAAGTTTCAGAAC 120

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Db 1688 AGGAGCTGTCACAAATGACAGAGGTTTACAGACATATGCTCTCAGATCAAGTTCAGAAC 1747
Qy 121 ATGGGCTCATTCATGCTTTTGGGCGCTTTTCATCAGGAATGAGCTGCTCTCAGCGCT 180
Db 1748 ATGGGCTCATTCATGCTTTTGGGCGCTTTTCATCAGGAATGAGCTGCTCTCAGCGCT 1807
Qy 181 CCATCCAGCTTCAGAGTAAGGATTAACCCCTCCAGAAACAGCCAGTGGAATGACACAG 240
Db 1808 CCATCCAGCTTCAGAGTAAGGATTAACCCCTCCAGAAACAGCCAGTGGAATGACACAG 1867
Qy 241 TGATCGTGACAGCACCGTGGAAGGACACTTTTGTCTTATCACCTGGACAAACGCGAC 300
Db 1868 TGATCGTGACAGCACCGTGGAAGGACACTTTTGTCTTATCACCTGGACAAACGCGAC 1927
Qy 301 CTCGCCAATCTTCTCTGGGATCCAGTGGAAGGACAGCAAGGTCGCTTGTAGTGACA 360
Db 1928 CTCGCCAATCTTCTCTGGGATCCAGTGGAAGGACAGCAAGGTCGCTTGTAGTGACA 1987
Qy 361 AAAACACCAAAATGGCTACCTCCAAATCCCAAGGATTCCTAAGGTTGGCACTTGGAAAT 420
Db 1988 AAAACACCAAAATGGCTACCTCCAAATCCCAAGGATTCCTAAGGTTGGCACTTGGAAAT 2047
Qy 421 ACAGTCTCAAGCAAGCTCACAACCTTGACCCCTGACTGTCTACGTCGCGTCCCAATG 480
Db 2048 ACAGTCTCAAGCAAGCTCACAACCTTGACCCCTGACTGTCTACGTCGCGTCCCAATG 2107
Qy 481 CTACCTGCTCCATTTACAGTGACTTCCAAACGAAACGAAACAGCACCAAGCAAAATCCCA 540
Db 2108 CTACCTGCTCCATTTACAGTGACTTCCAAACGAAACGAAACAGCACCAAGCAAAATCCCA 2167
Qy 541 GGCCTCTGCTAGTTATGCAATATTCGCCAAGGAGCTCCCAATTCCTCAGGCGCAGTG 600
Db 2168 GGCCTCTGCTAGTTATGCAATATTCGCCAAGGAGCTCCCAATTCCTCAGGCGCAGTG 2227
Qy 601 TCACAGCCCTGATGAATCAGTGAATGGAACACAGTTACCTTGGAACTTACTGGATAATG 660
Db 2228 TCACAGCCCTGATGAATCAGTGAATGGAACACAGTTACCTTGGAACTTACTGGATAATG 2287
Qy 661 GAGCAGGCTGATGCTACTAAGGATGACGGTGTCTACTCAAGGTATTTCAACATTATG 720
Db 2288 GAGCAGGCTGATGCTACTAAGGATGACGGTGTCTACTCAAGGTATTTCAACATTATG 2347
Qy 721 ACACGAATGCTAGATACAGTGAATGGAAGTGGGCTCTGGGAGGATTAACGACGACAGC 780
Db 2348 ACACGAATGCTAGATACAGTGAATGGAAGTGGGCTCTGGGAGGATTAACGACGACAGC 2407
Qy 781 GGAGAGTGATACCCAGCAGAGTGAGCACTGTACATACCTGGCTGGATTGAGAATGATG 840
Db 2408 GGAGAGTGATACCCAGCAGAGTGAGCACTGTACATACCTGGCTGGATTGAGAATGATG 2467
Qy 841 AAATCAATGGAAATCCACCAAGACCTGAAATTAATGAAGATGATGTTCAACACAGCAAG 900
Db 2468 AAATCAATGGAAATCCACCAAGACCTGAAATTAATGAAGATGATGTTCAACACAGCAAG 2527
Qy 901 TGTGTTTACGACAGACATCTCGGAGGCTCATTTGTGCTTCTGATGTCGCAAAATGCTC 960
Db 2528 TGTGTTTACGACAGACATCTCGGAGGCTCATTTGTGCTTCTGATGTCGCAAAATGCTC 2587
Qy 961 CCATACCTGATCTTCCCACTGCGCAATCACCAGCTGGAAGCGGAAATTCACGGGG 1020
Db 2588 CCATACCTGATCTTCCCACTGCGCAATCACCAGCTGGAAGCGGAAATTCACGGGG 2647
Qy 1021 GCAGTCTCATTAATCTGACTTGGACAGCTCTCGGGGATGATTAATGACCATGGAACAGCTC 1080
Db 2648 GCAGTCTCATTAATCTGACTTGGACAGCTCTCGGGGATGATTAATGACCATGGAACAGCTC 2707
Qy 1081 ACAAGTATATCATTCGAATAGTACAGTATTTCTTGTACTCAGACAGCAAGTTCAATGAAT 1140
Db 2708 ACAAGTATATCATTCGAATAGTACAGTATTTCTTGTACTCAGACAGCAAGTTCAATGAAT 2767
Qy 1141 CTCCTTCAAGTGAATACTACTGCTCTCATCCCAAGGAAACCACTCTCAGGAGGCTTTT 1200
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Db 2768 CTCCTCAAGTGAATACTACTGCTCTCATCCCAAGGAAACCACTCTCAGGAGGCTTTT 2827
Qy 1201 TGTTTAAACCAAGAAACATTTACTTTTGAATAATGGCACAGATCTTTTCAATGCTATTCAGG 1260
Db 2828 TGTTTAAACCAAGAAACATTTACTTTTGAATAATGGCACAGATCTTTTCAATGCTATTCAGG 2887
Qy 1261 CTGTTGATAAGGTCGATCTGAAATCAGAAATATCCAACTTGCACGAGTATCTTTGTTTA 1320
Db 2888 CTGTTGATAAGGTCGATCTGAAATCAGAAATATCCAACTTGCACGAGTATCTTTGTTTA 2947
Qy 1321 TTCCTTCAAGACTCCGCGCAGAGACACCTAGTCTCTGATGAAACGTCGCTCTCTGTCCTA 1380
Db 2948 TTCCTTCAAGACTCCGCGCAGAGACACCTAGTCTCTGATGAAACGTCGCTCTCTGTCCTA 3007
Qy 1381 ATATTTCATATCAACAGACACCACTCTCTGCAATTTCTAAATTTTAAATTTATGTTGAAGTGA 1440
Db 3008 ATATTTCATATCAACAGACACCACTCTCTGCAATTTCTAAATTTTAAATTTATGTTGAAGTGA 3067
Qy 1441 TAGGAGAACTCAGCTGTCAATAGCTAGGGCTGAAATTTTGTTCAGATAAAATAAAATAAA 1500
Db 3068 TAGGAGAACTCAGCTGTCAATAGCTAGGGCTGAAATTTTGTTCAGATAAAATAAAATAAA 3127
Qy 1501 TCATTTCATCTTTTGTGATTAATAATTTTCTAAATTTTAAATTTTAAATTTTAAATTTTAA 1560
Db 3128 TCATTTCATCTTTTGTGATTAATAATTTTCTAAATTTTAAATTTTAAATTTTAAATTTTAA 3186
Qy 1561 GGGCGATATACCTAAATGATATAGTACATTTTATCTAAATTTTAAATTTTAAATTTTAAATTTTAA 1620
Db 3187 GGGCGATATACCTAAATGATATAGTACATTTTATCTAAATTTTAAATTTTAAATTTTAAATTTTAA 3246
Qy 1621 ATACTAAATGATTTTATAGCTTCTCTAGGGGGGATAAATTTTAAATTTTAAATTTTAAATTTTAA 1680
Db 3247 ATACTAAATGATTTTATAGCTTCTCTAGGGGGGATAAATTTTAAATTTTAAATTTTAAATTTTAA 3306
Qy 1681 GTA 1683
Db 3307 GTA 3309

RESULT 10
US-10-393-590-11
; Sequence 11, Application US/10393590
; Publication No. US20030190656A1
; GENERAL INFORMATION:
; APPLICANT: WANG, YIXIN
; TITLE OF INVENTION: BREAST CANCER PROGNOSTIC PORTFOLIO
; FILE REFERENCE: CDS 268 US NP
; CURRENT APPLICATION NUMBER: US/10/393,590
; CURRENT FILING DATE: 2003-03-21
; PRIOR APPLICATION NUMBER: 60/368,789
; PRIOR FILING DATE: 2002-03-29
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 11
; LENGTH: 3311
; TYPE: DNA
; ORGANISM: human
US-10-393-590-11

Query Match 99.3%; Score 1671; DB 15; Length 3311;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1682; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

Qy 1 AACAAAGTGTGCCATCATCCACACAGTCGCTTTGGGGCCCTCTGCGAGCTCAAGAACTAG 60
Db 1628 AACAAAGTGTGCCATCATCCACACAGTCGCTTTGGGGCCCTCTGCGAGCTCAAGAACTAG 1687
Qy 61 AGGAGCTGTCCAAATGACAGGAGGTTTACAGACATATGCTTTCAGATCAAGTTCAAGACA 120
Db 1688 AGGAGCTGTCCAAATGACAGGAGGTTTACAGACATATGCTTTCAGATCAAGTTCAAGACA 1747
Qy 121 ATGCGCTCATTTGATCTTTTGGGGCCCTTTTCATCAGGAAATGGAAGTGTCTCTCAGCGCT 180
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Db 1748 ATGGCTCATTTGATGCTTTTGGGGCCCTTTTATCAGGAATGAGCTGTCTCTCAGCGT 1807
Qy 181 CCATCAGCTTGAGAGTAAAGGATTAACCTCCAGAACAGCCAGTGGATGAATGGCACAG 240
Db 1808 CCATCAGCTTGAGAGTAAAGGATTAACCTCCAGAACAGCCAGTGGATGAATGGCACAG 1867
Qy 241 TGATCGTGACAGCAGCCTGGGAAAGGACATTTGTTTCTTATCAGCTGGACAAAGCAGC 300
Db 1868 TGATCGTGACAGCAGCCTGGGAAAGGACATTTGTTTCTTATCAGCTGGACAAAGCAGC 1927
Qy 301 CTCGCCAAATCTCTCTGGGATCCAGTGGACAGAAAGGAGTGGCTTTGAGTGGACA 360
Db 1928 CTCGCCAAATCTCTCTGGGATCCAGTGGACAGAAAGGAGTGGCTTTGAGTGGACA 1987
Qy 361 AAAACACCAAAATGGCTACCTCCAAATCCAGGCAATTCAGTGGTGGCAAT 420
Db 1988 AAAACACCAAAATGGCTACCTCCAAATCCAGGCAATTCAGTGGTGGCAAT 2047
Qy 421 ACAGCTCGAAGCAAGCTCACAAACCTTGACCTGACTGTCTACGTCCTGGTGGTCCAATG 480
Db 2048 ACAGCTCGAAGCAAGCTCACAAACCTTGACCTGACTGTCTACGTCCTGGTGGTCCAATG 2107
Qy 481 CTACCTCGCTCCAAATTAAGTACAGTACCTCCAAACGAAAGCAAGCACCAGCAAAATCCCCA 540
Db 2108 CTACCTCGCTCCAAATTAAGTACAGTACCTCCAAACGAAAGCAAGCACCAGCAAAATCCCCA 2167
Qy 541 GCCCTCTGTAGTTATGCAAAATATTCGCAAGGAGCCTCCCAATTCCTCAGGCGCAGTG 600
Db 2168 GCCCTCTGTAGTTATGCAAAATATTCGCAAGGAGCCTCCCAATTCCTCAGGCGCAGTG 2227
Qy 601 TCACAGCCCTGAATGAATCAGTGAATGGAAACAGTTACCTTGGAACTACTGGATAATG 660
Db 2228 TCACAGCCCTGAATGAATCAGTGAATGGAAACAGTTACCTTGGAACTACTGGATAATG 2287
Qy 661 GAGCAGGTGCTATGCTACTAAGTAGTACGGTGTCTACTCAAGTATTTCAAACTTATG 720
Db 2288 GAGCAGGTGCTATGCTACTAAGTAGTACGGTGTCTACTCAAGTATTTCAAACTTATG 2347
Qy 721 ACACGAATGGTAGATACAGTGTAAAGTGGCGGCTCTGGGAGGAGTTAACGAGCAGAC 780
Db 2348 ACACGAATGGTAGATACAGTGTAAAGTGGCGGCTCTGGGAGGAGTTAACGAGCAGAC 2407
Qy 781 GGAGAGTGATACCCAGCAGAGTGAGCAGCTGTACATACCTGGCTGGATGAGAATGATG 840
Db 2408 GGAGAGTGATACCCAGCAGAGTGAGCAGCTGTACATACCTGGCTGGATGAGAATGATG 2467
Qy 841 AAATACATGGAATCCACCAAGACCTGAAATTAATAAGGATGATGTTCAACACAGCAAG 900
Db 2468 AAATACATGGAATCCACCAAGACCTGAAATTAATAAGGATGATGTTCAACACAGCAAG 2527
Qy 901 TGTGTTTCAGCAGAACATCCTCGGGAGGCTCATTTGTGGCTTCTGATGTCCTCAATGCTC 960
Db 2528 TGTGTTTCAGCAGAACATCCTCGGGAGGCTCATTTGTGGCTTCTGATGTCCTCAATGCTC 2587
Qy 961 CCATACCTGATCTCTTCCACCTCGGCCAAATCACCGACCTGAAGCGGAAATTCACGGGG 1020
Db 2588 CCATACCTGATCTCTTCCACCTCGGCCAAATCACCGACCTGAAGCGGAAATTCACGGGG 2647
Qy 1021 GCAGTCTCATTAATCTGACTTGGACAGCTCCTGGGAGTGAATATGACCAATGAAACAGCTC 1080
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Qy 1081 ACAAGTATATCATTCGAATAAGTACAGTATTTCTTGATCTCAGACAGAGTTCAATGAT 1140
Db 2708 ACAAGTATATCATTCGAATAAGTACAGTATTTCTTGATCTCAGACAGAGTTCAATGAT 2767
Qy 1141 CTCCTCAAGTGAATACTACTGTCTCATCCCAAGGAAGCCAACTCTGAGGAAGTCTTTT 1200
Db 2768 CTCCTCAAGTGAATACTACTGTCTCATCCCAAGGAAGCCAACTCTGAGGAAGTCTTTT 2827
Qy 1201 TGTTTAAACCAAGAAACATTAATTTTGAATAATGGCACAGATCTTTTCAATGCTATTCAGG 1260
Db 2828 TGTTTAAACCAAGAAACATTAATTTTGAATAATGGCACAGATCTTTTCAATGCTATTCAGG 2887

Qy 1261 CTGTTGATAAGGTCCGATCTGAAATCAGAAATATCAACATTCGACGAGTATCTTTGTTTA 1320
Db 2888 CTGTTGATAAGGTCCGATCTGAAATCAGAAATATCAACATTCGACGAGTATCTTTGTTTA 2947
Qy 1321 TTCTCTCCACAGACTCCGCCAGAGACACCTAGTCCCTGATGAAACGCTCTCTCTGCTTA 1380
Db 2948 TTCTCTCCACAGACTCCGCCAGAGACACCTAGTCCCTGATGAAACGCTCTCTCTGCTTA 3007
Qy 1381 ATATTCAATATCAACAGCACCATTCTCGCATTCACATTTTAAAAATATATGTGGAAGTGA 1440
Db 3008 ATATTCAATATCAACAGCACCATTCTCGCATTCACATTTTAAAAATATATGTGGAAGTGA 3067
Qy 1441 TAGGAGAACTGAGCTGTCAATAGCTAGGCTGAATTTTGTCTGAGATAAATAAATAA 1500
Db 3068 TAGGAGAACTGAGCTGTCAATAGCTAGGCTGAATTTTGTCTGAGATAAATAAATAA 3127
Qy 1501 TCATTTCATCCCTTTTGTGATTAATAATTTTCTAAAAATGATTTTGTAGACTTCTCTAGG 1560
Db 3128 TCATTTCATCC-TTTTTTTGTGATTAATAATTTTCTAAAAATGATTTTGTAGACTTCTCTAGG 3186
Qy 1561 GGGCGATATACATAATATAGTACATTTATCTAAATGATTTCTCTAGGGGCGAT 1620
Db 3187 GGGCGATATACATAATATAGTACATTTATCTAAATGATTTCTCTAGGGGCGAT 3246
Qy 1621 ATACTAAATGATTTTGTAGACTTCTCTAGGGGCGATAAAAATAAATGCTAAACACTGG 1680
Db 3247 ATACTAAATGATTTTGTAGACTTCTCTAGGGGCGATAAAAATAAATGCTAAACACTGG 3306
Qy 1681 GTA 1683
Db 3307 GTA 3309

RESULT 11

US-10-393-590-12
; Sequence 12, Application US/10393590
; Publication No. US20030190656A1
; GENERAL INFORMATION:
; APPLICANT: WANG, YIXIN
; TITLE OF INVENTION: BREAST CANCER PROGNASTIC PORTFOLIO
; FILE REFERENCE: CDS 268 US NP
; CURRENT APPLICATION NUMBER: US/10/393,590
; CURRENT FILING DATE: 2003-03-21
; PRIOR APPLICATION NUMBER: 60/368,789
; PRIOR FILING DATE: 2002-03-29
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 12
; LENGTH: 3311
; TYPE: DNA
; ORGANISM: human
US-10-393-590-12

Query Match 99.3%; Score 1671; DB 15; Length 3311;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1682; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

Qy 1 AACAAAGTGGTGCCATCATCCACAGTCGCTTTGGGGCCCTCTGAGCTCAAGAACTAG 60
Db 1628 AACAAAGTGGTGCCATCATCCACAGTCGCTTTGGGGCCCTCTGAGCTCAAGAACTAG 1687
Qy 61 AGGAGCTGCCAAAATGACGAGGCTTTACAGACATATGCTTCAGATCAAGTTCAAGACA 120
Db 1688 AGGAGCTGCCAAAATGACGAGGCTTTACAGACATATGCTTCAGATCAAGTTCAAGACA 1747
Qy 121 ATGGGCTCATTCATGCTTTTGGGGCCCTTTTCAATCAGGAAATGAGCTGTCTCTCAGCGCT 180
Db 1748 ATGGGCTCATTCATGCTTTTGGGGCCCTTTTCAATCAGGAAATGAGCTGTCTCTCAGCGCT 1807
Qy 181 CCATCAGCTTGAGAGTAAAGGATTAACCTCCAGAACAGCCAGTGGATGAATGGCACAG 240
Db 1808 CCATCAGCTTGAGAGTAAAGGATTAACCTCCAGAACAGCCAGTGGATGAATGGCACAG 1867

QY 241 TGATCGTGGACAGCACCGTGGAAAGGACATTTTGTCTTATCACTTGGACAAAGCGCAGC 300
DB |||||
1868 TGATCGTGGACAGCACCGTGGAAAGGACATTTTGTCTTATCACTTGGACAAAGCGCAGC 1927
QY 301 CTCGCCAAATCTTCTCTGGGATCCAGTGGGACAGAAAGAGGTGGCTTTGTAGTGGACA 360
DB |||||
1928 CTCGCCAAATCTTCTCTGGGATCCAGTGGGACAGAAAGAGGTGGCTTTGTAGTGGACA 1987
QY 361 AAAACACCAAAATGGCTTACCTCCAAATCCAGGCAATGCTAAGTTGGCACTTGGAAAT 420
DB |||||
1988 AAAACACCAAAATGGCTTACCTCCAAATCCAGGCAATGCTAAGTTGGCACTTGGAAAT 2047
QY 421 ACAGTCTGCAAGCAAGCTCACAAACCTTGACCTGACTGTCTACGTCCCGTGGGTCCAATG 480
DB |||||
2048 ACAGTCTGCAAGCAAGCTCACAAACCTTGACCTGACTGTCTACGTCCCGTGGGTCCAATG 2107
QY 481 CTACCTGCTCCAAATACAGTGACTTCCAAACGAAACAGGACACCAAGCAAAATCCCCA 540
DB |||||
2108 CTACCTGCTCCAAATACAGTGACTTCCAAACGAAACAGGACACCAAGCAAAATCCCCA 2167
QY 541 GCGCTCTGTAGTTATGCAAAATATTCGCAAGGAGCCTCCCAATTTCTCAGGGCCAGTG 600
DB |||||
2168 GCGCTCTGTAGTTATGCAAAATATTCGCAAGGAGCCTCCCAATTTCTCAGGGCCAGTG 2227
QY 601 TCACAGCCCTGATTTGAATCAGTGAATGGAAACAGTTTACCTTGGAACTTACTGGATAATG 660
DB |||||
2228 TCACAGCCCTGATTTGAATCAGTGAATGGAAACAGTTTACCTTGGAACTTACTGGATAATG 2287
QY 661 GAGCAGGTCTGATGCTACTAAGGATGACGGTGTCTACTCAAGGTATTTCACACTTATG 720
DB |||||
2288 GAGCAGGTCTGATGCTACTAAGGATGACGGTGTCTACTCAAGGTATTTCACACTTATG 2347
QY 721 ACACGAATGGTAGATACAGTGTAAAGTGGGGCTCTGGGAGGATTAACGAGCCAGAC 780
DB |||||
2348 ACACGAATGGTAGATACAGTGTAAAGTGGGGCTCTGGGAGGATTAACGAGCCAGAC 2407
QY 781 GGAGAGTGATACCCAGCAGGTGGAGCACTGTACATACCTCGCTGGTGGATTGAGATGATG 840
DB |||||
2408 GGAGAGTGATACCCAGCAGGTGGAGCACTGTACATACCTCGCTGGTGGATTGAGATGATG 2467
QY 841 AAATACAAATGGAAATCCACCAAGACCTGAAATTAATAAGGATGATGTTCAACAACAAGCAAG 900
DB |||||
2468 AAATACAAATGGAAATCCACCAAGACCTGAAATTAATAAGGATGATGTTCAACAACAAGCAAG 2527
QY 901 TGTGTTTCAGCAGAACATCTCTGGGAGGCTCATTTGTGSGCTTCTGATGTCCCAATGTCTC 960
DB |||||
2528 TGTGTTTCAGCAGAACATCTCTGGGAGGCTCATTTGTGSGCTTCTGATGTCCCAATGTCTC 2587
QY 961 CCATACCTGATCTCTTCCCACTGGCCAAATCACCGACCTGAAGCGGAAATTCACGGGG 1020
DB |||||
2588 CCATACCTGATCTCTTCCCACTGGCCAAATCACCGACCTGAAGCGGAAATTCACGGGG 2647
QY 1021 GCAGTCTCATTAATCTGATTTGGACAGCTCTCTGGGATGATTAATGACCATGGAACAGCTC 1080
DB |||||
2648 GCAGTCTCATTAATCTGATTTGGACAGCTCTCTGGGATGATTAATGACCATGGAACAGCTC 2707
QY 1081 ACAAGTATATCATTTGGAATAGTACAAGTATTTGATCTCAGACAAAGTTCAATGAAT 1140
DB |||||
2708 ACAAGTATATCATTTGGAATAGTACAAGTATTTGATCTCAGACAAAGTTCAATGAAT 2767
QY 1141 CTCCTTCAAGTGAATACTACTGTCTCATCCCAAGGAAGCCAACTCTCAGGAAGTCTTTT 1200
DB |||||
2768 CTCCTTCAAGTGAATACTACTGTCTCATCCCAAGGAAGCCAACTCTCAGGAAGTCTTTT 2827
QY 1201 TGTTTAAACAGAAACCAATTTCTTTGAAATGGCAGAGATCTTTTCAATGCTATTACAGG 1260
DB |||||
2828 TGTTTAAACAGAAACCAATTTCTTTGAAATGGCAGAGATCTTTTCAATGCTATTACAGG 2887
QY 1261 CTGTTGATAGTTCGATCTGAAATCAGAAATATCAACATTCGACAGTATCTTTGTTTA 1320
DB |||||
2888 CTGTTGATAGTTCGATCTGAAATCAGAAATATCAACATTCGACAGTATCTTTGTTTA 2947

QY 1321 TTCTCTCCACAGACTCCGCCAGAGACACCTAGTCTCTGATGAAACGTCCTCTCTTCCTTA 1380
DB |||||
2948 TTCTCTCCACAGACTCCGCCAGAGACACCTAGTCTCTGATGAAACGTCCTCTCTTCCTTA 3007
QY 1381 ATATTTCATATCAACAGCAGCACTTCTCTGCAATTCACATTTTAAATAATTATGTGGAAGTGA 1440
DB |||||
3008 ATATTTCATATCAACAGCAGCACTTCTCTGCAATTCACATTTTAAATAATTATGTGGAAGTGA 3067
QY 1441 TAGGAGAACTGCAGCTGTCAATAGCTAGGGCTGAATTTTGTTCAGATAAAATAAAATAAA 1500
DB |||||
3068 TAGGAGAACTGCAGCTGTCAATAGCTAGGGCTGAATTTTGTTCAGATAAAATAAAATAAA 3127
QY 1501 TCATTTCATCTTTTGTGATTATAAAATTTTCTAAAAATGATTTTATAGACTTCTCTGTAGG 1560
DB |||||
3128 TCATTTCATCTTTTGTGATTATAAAATTTTCTAAAAATGATTTTATAGACTTCTCTGTAGG 3186
QY 1561 GGGCGATATACATAATGATATATAGTACATTTTATATACTAAATGATTTCTCTGTAGGGGCGAT 1620
DB |||||
3187 GGGCGATATACATAATGATATATAGTACATTTTATATACTAAATGATTTCTCTGTAGGGGCGAT 3246
QY 1621 ATACTAAATGATTTTATAGACTTCTCTGTAGGGGCGATATAAAATAAAATGCTAAACCACTGG 1680
DB |||||
3247 ATACTAAATGATTTTATAGACTTCTCTGTAGGGGCGATATAAAATAAAATGCTAAACCACTGG 3306
QY 1681 GTA 1683
DB |||||
3307 GTA 3309

RESULT 12

US-10-393-590-46
; Sequence 46, Application US/10393590
; Publication No. US20030190656A1
; GENERAL INFORMATION:
; APPLICANT: WANG, YIXIN
; TITLE OF INVENTION: BREAST CANCER PROGNASTIC PORTFOLIO
; FILE REFERENCE: CDS 268 US NP
; CURRENT APPLICATION NUMBER: US/10/393,590
; CURRENT FILING DATE: 2003-03-21
; PRIOR APPLICATION NUMBER: 60/368,789
; PRIOR FILING DATE: 2002-03-29
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 46
; LENGTH: 3311
; TYPE: DNA
; ORGANISM: human
US-10-393-590-46

Query Match 99.3%; Score 1671; DB 15; Length 3311;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1682; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 1 AACAAAGTGGTGCCATCATCCACAGTCGCTTTGGGGCCCTCTGCAGCTCAAGAACTAG 60
DB 1628 AACAAAGTGGTGCCATCATCCACAGTCGCTTTGGGGCCCTCTGCAGCTCAAGAACTAG 1687
QY 61 AGGAGCTGTCCAAATAGCAGAGGTTTACAGACATATGCTTCAGATCAAGTTCAAGACA 120
DB 1688 AGGAGCTGTCCAAATAGCAGAGGTTTACAGACATATGCTTCAGATCAAGTTCAAGACA 1747
QY 121 ATGGCTCATTTGATGCTTTTGGGGCCCTTTCATCAGGAAATGGAGCTGTCTCTCAGCGCT 180
DB 1748 ATGGCTCATTTGATGCTTTTGGGGCCCTTTCATCAGGAAATGGAGCTGTCTCTCAGCGCT 1807
QY 181 CCATCCAGCTTTGAGAGTAAGGATTTAACCTCCAGAAACAGCCAGTGGATGAATGGCAGAG 240
DB 1808 CCATCCAGCTTTGAGAGTAAGGATTTAACCTCCAGAAACAGCCAGTGGATGAATGGCAGAG 1867
QY 241 TGATCGTGGACAGCACCGTGGGAAAGGACATTTTGTCTTATACCTTGGACCAAGCAGC 300
DB 1868 TGATCGTGGACAGCACCGTGGGAAAGGACATTTTGTCTTATACCTTGGACCAAGCAGC 1927

QY 301 CTCCCAAACTCTTCTCTGGGATCCAGTGGACAGAACAGGTGGCTTTGTAGTGACA 360
DB 1928 CTCCCAAACTCTTCTCTGGGATCCAGTGGACAGAACAGGTGGCTTTGTAGTGACA 1987
QY 361 AAAACACCAAAATGGCTTACCTCCAAATCCAGGCAATTCCTAAGGTGGCACTTGGAAAT 420
DB 1988 AAAACACCAAAATGGCTTACCTCCAAATCCAGGCAATTCCTAAGGTGGCACTTGGAAAT 2047
QY 421 ACAGTCTGCAAGCAAGCTCACAACCTTGACCTCTGATCTGCTCAGTCCCGTCCGATG 480
DB 2048 ACAGTCTGCAAGCAAGCTCACAACCTTGACCTCTGATCTGCTCAGTCCCGTCCGATG 2107
QY 481 CTACCTGCTCCCAATTAAGTGAATTCGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCA 540
DB 2108 CTACCTGCTCCCAATTAAGTGAATTCGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCA 2167
QY 541 GGCCTCTGCTAGTATGCAATATTCGCAAGGAGCTCCCAATTCCTCAGGCGCAGTG 600
DB 2168 GGCCTCTGCTAGTATGCAATATTCGCAAGGAGCTCCCAATTCCTCAGGCGCAGTG 2227
QY 601 TCACAGCCCTGATGAATCAGTGAATGGAAACAGTTTACCTTGGAACTTACTGGATAATG 660
DB 2228 TCACAGCCCTGATGAATCAGTGAATGGAAACAGTTTACCTTGGAACTTACTGGATAATG 2287
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DB 2288 GAGCAGGCTGATGCTACTAAGGATGACGGTGTCTACTCAAGGTATTTCAACAATTATG 2347
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QY 781 GGAGAGTGCATACCCAGCAGAGTGGAGCACTGTACATACCTCGCTGGATGAGATGATG 840
DB 2408 GGAGAGTGCATACCCAGCAGAGTGGAGCACTGTACATACCTCGCTGGATGAGATGATG 2467
QY 841 AAATACATGGATTCACCAAGACCTGAAATTAATAGGATGATGTTCAACACAGCAAG 900
DB 2468 AAATACATGGATTCACCAAGACCTGAAATTAATAGGATGATGTTCAACACAGCAAG 2527
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DB 2708 ACAAGTATATCATTCGAATAGTACAGTATTTCTGATCTCAGACAGAGTTCATGAT 2767
QY 1141 CTCTTCAAGTGAATATCTACTGCTCTCATCCCAAGGAAGCAACTCTGAGGAAGTCTTTT 1200
DB 2768 CTCTTCAAGTGAATATCTACTGCTCTCATCCCAAGGAAGCAACTCTGAGGAAGTCTTTT 2827
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QY 1261 CTGTTGATAGTTCGATCTGAATCAGAAATATCAACATTCACGAGTATCTTTGTTTA 1320
DB 2888 CTGTTGATAGTTCGATCTGAATCAGAAATATCAACATTCACGAGTATCTTTGTTTA 2947
QY 1321 TTCCTCCACAGACTCCGCCAGAGACACCTAGTCTCTGATGAACAGTCTGCTTGTCTTA 1380
DB 2948 TTCCTCCACAGACTCCGCCAGAGACACCTAGTCTCTGATGAACAGTCTGCTTGTCTTA 3007
QY 1381 APATTATATCAACAGCACCATTTCTCTGGCAATTCACATTTTAAAAAATTAATGTGGAAGTGA 1440

DB 3008 ATATTATATCAACAGCACCATTTCTTGGCAATTCACATTTTAAAAATTAATGTGGAAGTGA 3067
QY 1441 TAGGAGAACTGCAGCTGTCAATAGCTAGGGCTGAATTTTGTCTCAGATAAATAAATAA 1500
DB 3068 TAGGAGAACTGCAGCTGTCAATAGCTAGGGCTGAATTTTGTCTCAGATAAATAAATAA 3127
QY 1501 TCATTATCTCTTTTGTGATTATATAAATTTTCTAAATATGATTTTGTAGACTTCTCTGTAGG 1560
DB 3128 TCATTATCTCTTTTGTGATTATATAAATTTTCTAAATATGATTTTGTAGACTTCTCTGTAGG 3186
QY 1561 GGGCGATATCTAAATATATAGTATATATTAATATTAATATTAATATTAATATTAATATTAAT 1620
DB 3187 GGGCGATATCTAAATATATAGTATATATTAATATTAATATTAATATTAATATTAATATTAAT 3246
QY 1621 ATACTAAATATGATTTTATAGACTTCTCTGTAGGGGGCGATAAAAATGCTAAACAACTGG 1680
DB 3247 ATACTAAATATGATTTTATAGACTTCTCTGTAGGGGGCGATAAAAATGCTAAACAACTGG 3306
QY 1681 GTA 1683
DB 3307 GTA 3309
RESULT 13
US-10-393-590-47
; Sequence 47, Application US/10393590
; Publication No. US20030190656A1
; GENERAL INFORMATION:
; APPLICANT: WANG, YIXIN
; TITLE OF INVENTION: BREAST CANCER PROGNOSTIC PORTFOLIO
; FILE REFERENCE: CDS 268 US NP
; CURRENT APPLICATION NUMBER: US/10/393,590
; PRIOR FILING DATE: 2003-03-21
; PRIOR APPLICATION NUMBER: 60/368,789
; PRIOR FILING DATE: 2002-03-29
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 47
; LENGTH: 3311
; TYPE: DNA
; ORGANISM: human
US-10-393-590-47
Query Match 99.3%; Score 1671; DB 15; Length 3311;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1682; Conservative 0; Mismatches 0; Indels 1; Gaps 1;
QY 1 AACAAAGTGGTGCCATCATCCACAGTCGCTTTGGGGCCCTCTGCAGCTCAAGAACTAG 60
DB 1628 AACAAAGTGGTGCCATCATCCACAGTCGCTTTGGGGCCCTCTGCAGCTCAAGAACTAG 1687
QY 61 AGGAGCTGTCCAAATGACAGGAGCTTTACACATATGCTTCAGATCAAGTTCAGAA 120
DB 1688 AGGAGCTGTCCAAATGACAGGAGCTTTACACATATGCTTCAGATCAAGTTCAGAA 1747
QY 121 ATGGCTCATTTGATGCTTTTGGGGCCCTTTTCATCAGGAAATGGAGCTGTCTCTCAGCGCT 180
DB 1748 ATGGCTCATTTGATGCTTTTGGGGCCCTTTTCATCAGGAAATGGAGCTGTCTCTCAGCGCT 1807
QY 181 CCATCCAGCTTGAGAGTAAAGGATTAACCTCCAGAACAGCCAGTGGATGAATGGCACAG 240
DB 1808 CCATCCAGCTTGAGAGTAAAGGATTAACCTCCAGAACAGCCAGTGGATGAATGGCACAG 1867
QY 241 TGATCGTGGACAGCACCGTGGGAAAGGACATTTTGTCTTATCATCCTTGGACAAACGACG 300
DB 1868 TGATCGTGGACAGCACCGTGGGAAAGGACATTTTGTCTTATCATCCTTGGACAAACGACG 1927
QY 301 CTCCTCCAAATCTCTCTGCGGATCCAGTGGACAGAACAGAGTGGCTTTGTAGTGGACA 360
DB 1928 CTCCTCCAAATCTCTCTGCGGATCCAGTGGACAGAACAGAGTGGCTTTGTAGTGGACA 1987
QY 361 AAAACACCAAAATGGCTTACCTTCCAAATCCAGGCAATTCACATTTTAAAAAATTAATGTGGAAT 420

Db 1988 AAAACACAAAATGGCTACCTCCAAATCCAGGCAATTCCTAAGGTGGCACTTGGAAAT 2047
QY 421 ACAGTCTGCAAGCAAGCTCACAACTTGACCTGACTGTGTCAGCTCCGTCGGTCCAATG 480
Db 2048 ACAGTCTGCAAGCAAGCTCACAACTTGACCTGACTGTGTCAGCTCCGTCGGTCCAATG 2107
QY 481 CTACCTGCTCCAAATACAGTGACTTCCAAACGAAACGAGACACACAGCAAAATCCCCA 540
Db 2108 CTACCTGCTCCAAATACAGTGACTTCCAAACGAAACGAGACACACAGCAAAATCCCCA 2167
QY 541 GGCCTCTGCTAGTTATGCAAAATATTCGCAAGGAGCTCCCAATTCACAGGCGCAGTG 600
Db 2168 GGCCTCTGCTAGTTATGCAAAATATTCGCAAGGAGCTCCCAATTCACAGGCGCAGTG 2227
QY 601 TCACAGCCCTGATTCGATGCAATGTAAGTGAAGAAACAGTTACCTTGGAACTACTGGAATG 660
Db 2228 TCACAGCCCTGATTCGATGCAATGTAAGTGAAGAAACAGTTACCTTGGAACTACTGGAATG 2287
QY 661 GAGCAGGCTGCTGATGCTACTAAGGATGACGGTGTCTACTCAAGGTATTTCAACAATGATG 720
Db 2288 GAGCAGGCTGCTGATGCTACTAAGGATGACGGTGTCTACTCAAGGTATTTCAACAATGATG 2347
QY 721 ACACGAATGGTAGACAGTGTAAAGTGGGGCTCTGGGAGGAGTTAACGAGCCAGAC 780
Db 2348 ACACGAATGGTAGACAGTGTAAAGTGGGGCTCTGGGAGGAGTTAACGAGCCAGAC 2407
QY 781 GGAGAGTGATACCCAGCAGAGTGAGCTGTATACATACCTGGCTGGATGAGAATGATG 840
Db 2408 GGAGAGTGATACCCAGCAGAGTGAGCTGTATACATACCTGGCTGGATGAGAATGATG 2467
QY 841 AAATACATGGGAATCCACCAAGACCTGAAATTAATAGGATGATGTTCAACACAGCAAG 900
Db 2468 AAATACATGGGAATCCACCAAGACCTGAAATTAATAGGATGATGTTCAACACAGCAAG 2527
QY 901 TGTGTTTTCAGCAGAAACATCCTCGGAGGCTCATTTTGTGGCTTCTGATGTCCCAATGCTC 960
Db 2528 TGTGTTTTCAGCAGAAACATCCTCGGAGGCTCATTTTGTGGCTTCTGATGTCCCAATGCTC 2587
QY 961 CCATACCTGATCTCTCCACCTCGGCCAAATCACCGACTGAAGCGGAAATTCACGGGG 1020
Db 2588 CCATACCTGATCTCTCCACCTCGGCCAAATCACCGACTGAAGCGGAAATTCACGGGG 2647
QY 1021 GCAGTCTCATTAATCTGACTGCGACAGCTCCTGGGAGTATGATGACCATGGAACAGCTC 1080
Db 2648 GCAGTCTCATTAATCTGACTGCGACAGCTCCTGGGAGTATGATGACCATGGAACAGCTC 2707
QY 1081 ACAAGTATATCATTCGAATAAGTACAAGTATTTCTTGATCTCAGAGACAAGTTCAATGAAT 1140
Db 2708 ACAAGTATATCATTCGAATAAGTACAAGTATTTCTTGATCTCAGAGACAAGTTCAATGAAT 2767
QY 1141 CTCCTTCAAGTGAATGATGCTCTCATCCCAAGAGGCAACCTCTGAGGAAGTCTTTT 1200
Db 2768 CTCCTTCAAGTGAATGATGCTCTCATCCCAAGAGGCAACCTCTGAGGAAGTCTTTT 2827
QY 1201 TGTGTTAAACCAAAACATTTACTTTTGAATAAGGACAGAGCTTTTCAATGCTATTCAGG 1260
Db 2828 TGTGTTAAACCAAAACATTTACTTTTGAATAAGGACAGAGCTTTTCAATGCTATTCAGG 2887
QY 1261 CTGTTGATAAGGTGCTGTAATCAGAAATATCAAAATTCAGCAGGATCTTTTGTGTTA 1320
Db 2888 CTGTTGATAAGGTGCTGTAATCAGAAATATCAAAATTCAGCAGGATCTTTTGTGTTA 2947
QY 1321 TTCCTCCACAGACTCGGCAGAGACACCTAGTCTGATGAACAGTCTGCTCTTGTCTTA 1380
Db 2948 TTCCTCCACAGACTCGGCAGAGACACCTAGTCTGATGAACAGTCTGCTCTTGTCTTA 3007
QY 1381 ATATTATATCAACAGCACCATTCTCTGCAATTCACATTTTAAATATGTTGGAAGTGA 1440
Db 3008 ATATTATATCAACAGCACCATTCTCTGCAATTCACATTTTAAATATGTTGGAAGTGA 3067
QY 1441 TAGGAGAACTGCAGCTGTCAATAGCCTAGGGCTGAAATTTTGTTCAGATAAAATAAATAA 1500

Db 3068 TAGGAGAACTGCAGCTGTCAATAGCTAGGCTGAATTTTGTTCAGATAAAATAAATAA 3127
QY 1501 TCATTTCATCTCTTTTGTGATTATATAAATTTTCTAAAAATGATTTTAGACTTCTCTGTTAGG 1560
Db 3128 TCATTTCATCTCTTTTGTGATTATATAAATTTTCTAAAAATGATTTTAGACTTCTCTGTTAGG 3186
QY 1561 GGGCGATATACTAAATGTATATAGTACATTTTATATACTAAATGTATTTCTGTAGGGGCGAT 1620
Db 3187 GGGCGATATACTAAATGTATATAGTACATTTTATATACTAAATGTATTTCTGTAGGGGCGAT 3246
QY 1621 ATACTAAATGTATTTAGACTTCTGTAGGGGCGATATAAATAAATGCTAAACCACTGG 1680
Db 3247 ATACTAAATGTATTTAGACTTCTGTAGGGGCGATATAAATAAATGCTAAACCACTGG 3306
QY 1681 GTA 1683
Db 3307 GTA 3309

RESULT 14
US-10-393-567-11
; Sequence 11, Application US/10393567
; Publication No. US20030194733A1
; GENERAL INFORMATION:
; APPLICANT: WANG, YIXIN
; TITLE OF INVENTION: CANCER DIAGNOSTIC PANEL
; FILE REFERENCE: CDS 269 US NP
; CURRENT APPLICATION NUMBER: US/10/393,567
; CURRENT FILING DATE: 2003-03-21
; PRIOR APPLICATION NUMBER: 60/368,667
; PRIOR FILING DATE: 2002-03-29
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 11
; LENGTH: 3311
; TYPE: DNA
; ORGANISM: human
US-10-393-567-11

Query Match 99.3%; Score 1671; DB 15; Length 3311;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1682; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 1 AACAAAGTGTGCCATCATCCACAGTCGCTTTGGGGCCCTCTGCAGCTCAAGAACTAG 60
Db 1628 AACAAAGTGTGCCATCATCCACAGTCGCTTTGGGGCCCTCTGCAGCTCAAGAACTAG 1687
QY 61 AGGAGCTGTCCAAATGACAGGAGGTTTACAGACATATGCTTTCAGATCAAGTTCAAGACA 120
Db 1688 AGGAGCTGTCCAAATGACAGGAGGTTTACAGACATATGCTTTCAGATCAAGTTCAAGACA 1747
QY 121 ATGGCTCATTTGATGCTTTTGGGGCCCTTTTCATCAGGAAATGGAGCTGCTCTCAGCGCT 180
Db 1748 ATGGCTCATTTGATGCTTTTGGGGCCCTTTTCATCAGGAAATGGAGCTGCTCTCAGCGCT 1807
QY 181 CCATCCAGCTTTGAGAGTAAGGATTAACCTCCAGACAGCCAGTGGATGATGACACAG 240
Db 1808 CCATCCAGCTTTGAGAGTAAGGATTAACCTCCAGACAGCCAGTGGATGATGACACAG 1867
QY 241 TGATCGTGGACAGCACCGTGGGAAAGGACACTTTTGTGTTTCTTATCACTTGGCAACGCGAGC 300
Db 1868 TGATCGTGGACAGCACCGTGGGAAAGGACACTTTTGTGTTTCTTATCACTTGGCAACGCGAGC 1927
QY 301 CTCGCCAAATCTCTCTCTGGGATCCAGTGGACAGCAAGAGTGGCTTTTGTAGTGGACA 360
Db 1928 CTCGCCAAATCTCTCTCTGGGATCCAGTGGACAGCAAGAGTGGCTTTTGTAGTGGACA 1987
QY 361 AAAACACAAATGCGCTTACCTCCAAATCCAGCAGCTTAAAGCTTGGCACTTGGAAAT 420
Db 1988 AAAACACAAATGCGCTTACCTCCAAATCCAGCAGCTTAAAGCTTGGCACTTGGAAAT 2047
QY 421 ACAGTCTGCAAGCAAGCTCACAACTTGACCTGACCTGCTCAGCTCCGTCGGTCCAATG 480

Db 2048 ACAGTCTGCAAGCAAGCTCACAACCTTGACCCCTGACTGTCTACGTCCTCCGTCGGTCCAATG 2107
Qy 481 CTACCTCTGCTCCAAATTACAGTGACTTCCAAACGAAACAAGGACACACAGCAAAATCCCCA 540
Db 2108 CTACCTCTGCTCCAAATTACAGTGACTTCCAAACGAAACAAGGACACACAGCAAAATCCCCA 2167
Qy 541 GCCCTCTGGTAGTTTATGCAAAATATTGCGCAAGGAGCCTCCCAATTCACAGGCGCAGTG 600
Db 2168 GCCCTCTGGTAGTTTATGCAAAATATTGCGCAAGGAGCCTCCCAATTCACAGGCGCAGTG 2227
Qy 601 TCACAGCCCTGATTGCAATCAGTGAATGGAAACACAGTTTACCTTGGAACTACTGGGATAATG 660
Db 2228 TCACAGCCCTGATTGCAATCAGTGAATGGAAACACAGTTTACCTTGGAACTACTGGGATAATG 2287
Qy 661 GAGCAGGTCTGATGCTACTAAGGATGACGGTGTCTACTCAAGGTATTTTCAACAATTATG 720
Db 2288 GAGCAGGTCTGATGCTACTAAGGATGACGGTGTCTACTCAAGGTATTTTCAACAATTATG 2347
Qy 721 ACACGAATGGTAGATACAGTGTAAAGTCCGGGCTCTGGGAGAGTTAAACGAGCCAGAC 780
Db 2348 ACACGAATGGTAGATACAGTGTAAAGTCCGGGCTCTGGGAGAGTTAAACGAGCCAGAC 2407
Qy 781 CGAGAGTGATACCCAGCAGAGTGCGCACTCTACATACCTCGCTGGATTGAGATGATG 840
Db 2408 GGAGAGTGATACCCAGCAGAGTGCGCACTCTACATACCTCGCTGGATTGAGATGATG 2467
Qy 841 AAATACAAATGGAATCCACCAAGACCTGAAATTAATAAGGATGATGTTCAACAACAAGCAAG 900
Db 2468 AAATACAAATGGAATCCACCAAGACCTGAAATTAATAAGGATGATGTTCAACAACAAGCAAG 2527
Qy 901 TGTGTTTACAGAGAAATCCTCGGAGGCTCATTTGTGGGCTCTGATGTCCTCAAAATGCTC 960
Db 2528 TGTGTTTACAGAGAAATCCTCGGAGGCTCATTTGTGGGCTCTGATGTCCTCAAAATGCTC 2587
Qy 961 CCAATCTGATCTCTCCACCTGCGCAATCACCGACCTGAAGCGGAAATTCACGGG 1020
Db 2588 CCAATCTGATCTCTCCACCTGCGCAATCACCGACCTGAAGCGGAAATTCACGGG 2647
Qy 1021 GCAGTCTCAATTAATCTGACTTGCAAGCTCTCTGGGATGATTTATGACCATGAAACAGCTC 1080
Db 2648 GCAGTCTCAATTAATCTGACTTGCAAGCTCTCTGGGATGATTTATGACCATGAAACAGCTC 2707
Qy 1081 ACAAGTATATCATTCGAATAAGTACAAGTATTTCTTGATCTCAGAGCAAAAGTTCAATGAAT 1140
Db 2708 ACAAGTATATCATTCGAATAAGTACAAGTATTTCTTGATCTCAGAGCAAAAGTTCAATGAAT 2767
Qy 1141 CTCCTTCAAGTGAATACTACTGCTCTCATCCCAAGGAAGCAACTCTGAGGAAGTCTTTT 1200
Db 2768 CTCCTTCAAGTGAATACTACTGCTCTCATCCCAAGGAAGCAACTCTGAGGAAGTCTTTT 2827
Qy 1201 TGTTTAAACGAGAAACATTACTTTTGAATGGCACAGATCTTTTCAATTGCTATTTCAGG 1260
Db 2828 TGTTTAAACGAGAAACATTACTTTTGAATGGCACAGATCTTTTCAATTGCTATTTCAGG 2887
Qy 1261 CTGTTGATAAGGTTCGATCTGAAATCAGAAATATCCAACATTCGACGAGTATCTTTGTTTA 1320
Db 2888 CTGTTGATAAGGTTCGATCTGAAATCAGAAATATCCAACATTCGACGAGTATCTTTGTTTA 2947
Qy 1321 TTCCTCCACAGACTCCGCCAGAGACACTAGTCTCTGATGAAAGCTGCTCTTGTCTTA 1380
Db 2948 TTCCTCCACAGACTCCGCCAGAGACACTAGTCTCTGATGAAAGCTGCTCTTGTCTTA 3007
Qy 1381 ATATTCAATCAACAGCACCATTTCTGGCATTCACATTTTAAATAATATGTGGAAGTGA 1440
Db 3008 ATATTCAATCAACAGCACCATTTCTGGCATTCACATTTTAAATAATATGTGGAAGTGA 3067
Qy 1441 TAGGGAATCGAGCTGTCAATAGCCTAGGCTGAAATTTTGTGAGATAAATAAATAA 1500
Db 3068 TAGGGAATCGAGCTGTCAATAGCCTAGGCTGAAATTTTGTGAGATAAATAAATAA 3127
Qy 1501 TCATTCACTCTTTTTCGATTAATAAATTTTCTAAATGTATTTTGTAGACTTCTCTGTAGG 1560
Db 3128 TCATTCACTC- TTTTTCGATTAATAAATTTTCTAAATGTATTTTGTAGACTTCTCTGTAGG 3186

Qy 1561 GGGCGATATATAAATGTATATAGTACATTTATATACTAAATGTATTTCTCTAGGGGGCGAT 1620
Db 3187 GGGCGATATATAAATGTATATAGTACATTTATATACTAAATGTATTTCTCTAGGGGGCGAT 3246
Qy 1621 ATACTAAATGTATTTTAGACTTCTCTAGGGGGCGATATAAATAAATGTCTAAACAACTGG 1680
Db 3247 ATACTAAATGTATTTTAGACTTCTCTAGGGGGCGATATAAATAAATGTCTAAACAACTGG 3306
Qy 1681 GTA 1683
Db 3307 GTA 3309

RESULT 15
US-10-393-567-12
; Sequence 12, Application US/10393567
; Publication No. US20030194733A1
; GENERAL INFORMATION:
; APPLICANT: WANG, YIXIN
; FILE OF INVENTION: CANCER DIAGNOSTIC PANEL
; FILE REFERENCE: CDS 269 US NP
; CURRENT APPLICATION NUMBER: US/10/393,567
; CURRENT FILING DATE: 2003-03-21
; PRIOR APPLICATION NUMBER: 60/368,667
; PRIOR FILING DATE: 2002-03-29
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 12
; LENGTH: 3311
; TYPE: DNA
; ORGANISM: human
US-10-393-567-12

Query Match 99.3%; Score 1671; DB 15; Length 3311;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1682; Conservative 0; Mismatches 0; Indels 1; Gaps 1;
Qy 1 AACAAAGTGGTGCCATCATCCACAGTCGCTTTGGGGCCCTCTGCAGCTCAAGAACTAG 60
Db 1628 AACAAAGTGGTGCCATCATCCACAGTCGCTTTGGGGCCCTCTGCAGCTCAAGAACTAG 1687
Qy 61 AGGAGTGTCCAAAATGACAGAGGTTTACAGACATATGCTTCAGATCAAGTTCAAGAA 120
Db 1688 AGGAGTGTCCAAAATGACAGAGGTTTACAGACATATGCTTCAGATCAAGTTCAAGAA 1747
Qy 121 ATGGCTCATTCATGCTTTTGGGGCCCTTTTCATCAGGAATGGAGCTGCTCTCAGGCT 180
Db 1748 ATGGCTCATTCATGCTTTTGGGGCCCTTTTCATCAGGAATGGAGCTGCTCTCAGGCT 1807
Qy 181 CCATCCAGCTTCAGAGTAAAGGATTAACCTCCAGAACAGCCAGTCGATGAATGGCACAG 240
Db 1808 CCATCCAGCTTCAGAGTAAAGGATTAACCTCCAGAACAGCCAGTCGATGAATGGCACAG 1867
Qy 241 TGATCGTGACAGCACCGTGGGAAAGGACATTTTGTTCCTTATTCACCTGGACAAACGACG 300
Db 1868 TGATCGTGACAGCACCGTGGGAAAGGACATTTTGTTCCTTATCACCTGGACAAACGACG 1927
Qy 301 CTCCTCCAAATCCTTCTCTGGGATCCAGTGGGACAGAACAGGTGGCTTTGTAGTGACA 360
Db 1928 CTCCTCCAAATCCTTCTCTGGGATCCAGTGGGACAGAACAGGTGGCTTTGTAGTGACA 1987
Qy 361 AAAACACCAAAATGGCTTACCTCCAAATCCAGGCAATTCCTAAGGTGTGGCATTGGAAAT 420
Db 1988 AAAACACCAAAATGGCTTACCTCCAAATCCAGGCAATTCCTAAGGTGTGGCATTGGAAAT 2047
Qy 421 ACAGTCTGCAAGCAAGCTCACAACCTTGACCTCTGACTGCTACGTCCTCGTCCGATGCAATG 480
Db 2048 ACAGTCTGCAAGCAAGCTCACAACCTTGACCTCTGACTGCTACGTCCTCGTCCGATGCAATG 2107
Qy 481 CTACCTGCTCCAAATTTACAGTGACTTCCAAAACGAAACAGGACACAGCAAAATTCCTCCA 540
Db 2108 CTACCTGCTCCAAATTTACAGTGACTTCCAAAACGAAACAGGACACAGCAAAATTCCTCCA 2167

QY	541	GCCTCTGTAGTATGCAATATTTGCCAAGGAGCCTCCCAATTTCTCAGGGCCAGTG	600
Db	2168	GCCTCTGTAGTATGCAATATTTGCCAAGGAGCCTCCCAATTTCTCAGGGCCAGTG	2227
QY	601	TCACAGCCCTGATGAAATCAGTGAATGGAATAACAGTTACCTTGGAACTACTTGGATAATG	660
Db	2228	TCACAGCCCTGATGAAATCAGTGAATGGAATAACAGTTACCTTGGAACTACTTGGATAATG	2287
QY	661	GAGCAGGTGCTGATGCTACTTAAGGATGACGGGTCTACTCAAGGTATTTTCAACAATTATG	720
Db	2288	GAGCAGGTGCTGATGCTACTTAAGGATGACGGGTCTACTCAAGGTATTTTCAACAATTATG	2347
QY	721	ACACGAATGGTAGATACAGTGTAAAGTGGGGCTCTGGGAGAGTTAAACGAGCCAGAC	780
Db	2348	ACACGAATGGTAGATACAGTGTAAAGTGGGGCTCTGGGAGAGTTAAACGAGCCAGAC	2407
QY	781	GGAGAGTGATACCCAGCAGAGTGGAGCACTGTATACATCTGGCTGGATTGAGAATGATG	840
Db	2408	GGAGAGTGATACCCAGCAGAGTGGAGCACTGTATACATCTGGCTGGATTGAGAATGATG	2467
QY	841	AAATCAATGGAAATCCACCAGACCTGAAATTAATAAGGATGATGTTCAACACAGCAAG	900
Db	2468	AAATCAATGGAAATCCACCAGACCTGAAATTAATAAGGATGATGTTCAACACAGCAAG	2527
QY	901	TGTGTTTCAGCAGAAACATCCTCGGAGGCTCATTTTGTGGCTTCTGATGTCCCAAAATGCTC	960
Db	2528	TGTGTTTCAGCAGAAACATCCTCGGAGGCTCATTTTGTGGCTTCTGATGTCCCAAAATGCTC	2587
QY	961	CCATACCTGATCTCTTCCCACTCGGCCAAATCACCGACCTGAAGCGGAAATTCACGGGG	1020
Db	2588	CCATACCTGATCTCTTCCCACTCGGCCAAATCACCGACCTGAAGCGGAAATTCACGGGG	2647
QY	1021	GCAGTCTCATTTAATCTGACTTGGACAGCTCTCGGGGATGATTATGACCATGGAACAGCTC	1080
Db	2648	GCAGTCTCATTTAATCTGACTTGGACAGCTCTCGGGGATGATTATGACCATGGAACAGCTC	2707
QY	1081	ACAAGTATATCATTCGAATAAGTACAAGTATTTCTTGATCTCAGAGACAAGTTCAATGAAT	1140
Db	2708	ACAAGTATATCATTCGAATAAGTACAAGTATTTCTTGATCTCAGAGACAAGTTCAATGAAT	2767
QY	1141	CTCTTCAAGTGAATACTACTGTCTCTCATCCCAAGGAAGCCAACTCTGAGGAAGTCTTTT	1200
Db	2768	CTCTTCAAGTGAATACTACTGTCTCTCATCCCAAGGAAGCCAACTCTGAGGAAGTCTTTT	2827
QY	1201	TGTTTTAAACCAAGAAACATTACTTTTGAAATGGCACAGATCTTTTCATTGCTATTACGG	1260
Db	2828	TGTTTTAAACCAAGAAACATTACTTTTGAAATGGCACAGATCTTTTCATTGCTATTACGG	2887
QY	1261	CTGTTGATAAGGTCGATCTGAAATCAGAAATATCCAACATTCACGAGTATCTTTTGTTTA	1320
Db	2888	CTGTTGATAAGGTCGATCTGAAATCAGAAATATCCAACATTCACGAGTATCTTTTGTTTA	2947
QY	1321	TTCTCTCCACAGACTCGGCCAGAGACACCTAGTCTCTGATGAACAGTCTGCTCTTGTCTTA	1380
Db	2948	TTCTCTCCACAGACTCGGCCAGAGACACCTAGTCTCTGATGAACAGTCTGCTCTTGTCTTA	3007
QY	1381	ATATTTCAATCAACAGCACCATTCTGGCAATTCATTTTAAATTTATGTTGGAAGTGA	1440
Db	3067	ATATTTCAATCAACAGCACCATTCTGGCAATTCATTTTAAATTTATGTTGGAAGTGA	3067
QY	1441	TAGGAGACTCGAGCTGTCAATAGGCTAGGGCTGAAATTTTGTGAGATAAATAAAATAAA	1500
Db	3068	TAGGAGACTCGAGCTGTCAATAGGCTAGGGCTGAAATTTTGTGAGATAAATAAAATAAA	3127
QY	1501	TCATTCATCTTTTGTGATTAATAAATTTTCAAAATGTAATTTTACACTTCTGTAGG	1560
Db	3128	TCATTCATCTTTTGTGATTAATAAATTTTCAAAATGTAATTTTACACTTCTGTAGG	3186
QY	1561	GGCGGATATACATTAATGATATAGTACATTTATTAATGTTATTTCTGTAGGGGGCGAT	1620
Db	3187	GGCGGATATACATTAATGATATAGTACATTTATTAATGTTATTTCTGTAGGGGGCGAT	3246

QY	1621	ATACTAAATGTATTTTAGACTTCTCTGTAGGGGGCGATATAAATAAATGCTAAACAACTGG	1680
Db	3247	ATACTAAATGTATTTTAGACTTCTCTGTAGGGGGCGATATAAATAAATGCTAAACAACTGG	3306
QY	1681	GTA	1683
Db	3307	GTA	3309

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Job time : 903.673 secs

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OM nucleic - nucleic search, using sw model

Run on: April 24, 2004, 00:33:00 ; Search time 154.702 Seconds
(without alignments)
6037.311 Million cell updates/sec

Title: US-09-049-696-19

Perfect score: 1683

Sequence: 1 AACAAAGTGGTCCCATCATC.....AAATGCTAAACAACCTGGGTA 1683

Scoring table: IDENTITY NUC

Gapop 10_0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	1676.6	99.6	3007	4	US-09-193-562D-27
2	1512	89.8	1512	4	US-09-016-434-850
3	1467.4	87.2	2745	4	US-09-623-624-5
4	942.6	56.0	2931	4	US-09-623-624-1
5	790.8	47.0	878	1	US-08-469-667-8
6	790.8	47.0	878	4	US-09-224-110-8
7	790.8	47.0	878	5	PCT-US95-07289-8
8	673.8	40.0	3043	4	US-09-049-698-16
9	673.8	40.0	3181	4	US-09-049-698-18
10	441.4	26.2	1081	4	US-09-016-434-928
11	441.4	26.2	1399	4	US-09-049-698-17
12	414.4	24.6	3317	4	US-09-193-562D-1
13	398.8	23.7	3022	4	US-09-193-562D-33
14	368.2	21.9	3418	4	US-09-193-562D-29
15	304	18.1	2784	4	US-09-643-597-168
16	304	18.1	2784	4	US-09-480-884A-168
17	304	18.1	2784	4	US-09-542-615A-168
18	304	18.1	2784	4	US-09-606-421B-168
19	301.6	17.9	2773	4	US-09-643-597-358
20	301.6	17.9	3156	4	US-09-919-172-86
21	301.6	17.9	3190	4	US-09-623-624-3
22	301.6	17.9	3951	4	US-09-643-597-160
23	301.6	17.9	3951	4	US-09-480-884A-160
24	301.6	17.9	3951	4	US-09-542-615A-160
25	301.6	17.9	3951	4	US-09-606-421B-160
26	301.6	17.9	3951	4	US-09-221-107-160
27	301.6	17.9	8031	4	US-09-643-597-254

28	301.6	17.9	8031	4	US-09-480-884A-254	Sequence 254, App
29	301.6	17.9	8031	4	US-09-542-615A-254	Sequence 254, App
30	301.6	17.9	8031	4	US-09-606-421B-254	Sequence 254, App
31	300	17.8	2970	4	US-09-193-562D-31	Sequence 31, Appl
32	228.2	13.6	576	3	US-09-385-982-23	Sequence 23, Appl
33	221.4	13.2	595	3	US-09-385-982-25	Sequence 25, Appl
34	200.8	11.9	618	3	US-09-385-982-24	Sequence 24, Appl
C	183.4	10.9	611	3	US-09-385-982-27	Sequence 27, Appl
35	168.6	10.0	742	3	US-09-385-982-33	Sequence 33, Appl
37	148.8	8.8	313	4	US-09-049-698-10	Sequence 10, Appl
38	136.6	8.1	242	4	US-09-049-698-11	Sequence 11, Appl
39	135	8.0	241	4	US-09-049-698-7	Sequence 7, Appl
C	124.2	7.4	546	4	US-09-643-597-129	Sequence 129, App
41	124.2	7.4	546	4	US-09-480-884A-129	Sequence 129, App
C	124.2	7.4	546	4	US-09-542-615A-129	Sequence 129, App
C	124.2	7.4	546	4	US-09-606-421B-129	Sequence 129, App
C	124.2	7.4	546	4	US-09-221-107-129	Sequence 129, App
45	118.6	7.0	242	4	US-09-049-698-8	Sequence 8, Appl

ALIGNMENTS

RESULT 1

US-09-193-562D-27
; Sequence 27, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; FILE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; CURRENT FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 27
; LENGTH: 3007
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-193-562D-27

Query Match	99.6%	Score	1676.6;	DB	4;	Length	3007;
Best Local Similarity	99.8%	Pred. No.	0;				
Matches	1679;	Conservative	0;	Mismatches	4;	Indels	0;
						Gaps	0;
QY	1	AACAAAGTGGTGGCCATCATCCACAGTCGCTTTGGGGCCCTCTGCAGCTCAAGAACTAG	60				
DB	1323	AACAAAGTGGTGGCCATCATCCACAGTCGCTTTGGGGCCCTCTGCAGCTCAAGAACTAG	1382				
QY	61	AGGAGCTGTCCAAATGACAGGAGGTTTACAGACATATCTTCAGATCAAGTTTCAGAACA	120				
DB	1383	AGGAGCTGTCCAAATGACAGGAGGTTTACAGACATATCTTCAGATCAAGTTTCAGAACA	1442				
QY	121	ATGGCCCTCATTCATGCTTTTGGGGCCCTTTTCATCAGAAATGAGCTGTCTCTCAGCGCT	180				
DB	1443	ATGGCCCTCATTCATGCTTTTGGGGCCCTTTTCATCAGAAATGAGCTGTCTCTCAGCGCT	1502				
QY	181	CCATCAGCTTCAGAGTAAGGATTAACCCCTCCAGAACCCAGTCGATGAATGGCACAG	240				
DB	1503	CCATCAGCTTCAGAGTAAGGATTAACCCCTCCAGAACCCAGTCGATGAATGGCACAG	1562				
QY	241	TCATCGTGACAGCACCGTGGGAAGGACATTTGTTTCTTATCCTCGACACACGAGC	300				
DB	1563	TCATCGTGACAGCACCGTGGGAAGGACATTTGTTTCTTATCCTCGACACACGAGC	1622				
QY	301	CTCCCCAAATCTCTCTCTGGGATCCAGTGGACAGAAAGGTGGCTTTGTAGTGACA	360				
DB	1623	CTCCCCAAATCTCTCTCTGGGATCCAGTGGACAGAAAGGTGGCTTTGTAGTGACA	1682				
QY	361	AAAAACACCAAAATGGCTTACCTCCAAATCCAGGCAATGCTAAGGTTGGCCTTGGAAAT	420				

1683 AAAACACCAAAATGGCTACTCTCCAAATCCAGGCAATGCTAGGTTGGCACTTGGAAAT 1742
421 ACAGTCTGCAAGCAGCTCACAACCTTGACCTGACTGTCTACGTCGCGTGGTCCAATG 480
1743 ACAGTCTGCAAGCAGCTCACAACCTTGACCTGACTGTCTACGTCGCGTGGTCCAATG 1802
481 CTACCTGCTCCTCAATTTACAGTGACTTCCAAACGAAACAAAGGACACCAAGCAAAATCCCA 540
1803 CTACCTGCTCCTCAATTTACAGTGACTTCCAAACGAAACAAAGGACACCAAGCAAAATCCCA 1862
541 GGCCTCTGCTAGTTATGCAATATTCGCAAGGAGCTTCCCAATTCACAGGCGCAGTG 600
1863 GGCCTCTGCTAGTTATGCAATATTCGCAAGGAGCTTCCCAATTCACAGGCGCAGTG 1922
601 TCACAGCCCTGATTGNAATCAGTGAATGGAACACAGTTACCTTGGNACTACTGGAATATG 660
1923 TCACAGCCCTGATTGNAATCAGTGAATGGAACACAGTTACCTTGGNACTACTGGAATATG 1982
661 GAGCAGGTCTGATGCTACTTAAGGATGAGGTGTCTACTCAAGGTATTTCAACAATTTATG 720
1983 GAGCAGGTCTGATGCTACTTAAGGATGAGGTGTCTACTCAAGGTATTTCAACAATTTATG 2042
721 ACACGAATGGTATGATACAGTGTAAAGTGGGGCTCTGGAGGAGTTAACGAGCCAGAC 780
2043 ACACGAATGGTATGATACAGTGTAAAGTGGGGCTCTGGAGGAGTTAACGAGCCAGAC 2102
781 GGAGAGTATACCCAGCAGAGTGAGGACCTGTACATCTGCTGGCTGGATTGAGATGATG 840
2103 GGAGAGTATACCCAGCAGAGTGAGGACCTGTACATCTGCTGGCTGGATTGAGATGATG 2162
841 AAATCAATGGAAATCCACCAAGACCTGAAATTAATAAGGATGATGTTCAACAACAGCAAG 900
2163 AAATCAATGGAAATCCACCAAGACCTGAAATTAATAAGGATGATGTTCAACAACAGCAAG 2222
901 TGTGTTTCAGCAGAAACATCTCGGAGGCTCATTTGTGGCTTCTGATGTCCCAATGCTC 960
2223 TGTGTTTCAGCAGAAACATCTCGGAGGCTCATTTGTGGCTTCTGATGTCCCAATGCTC 2282
961 CCATACCTGATCTCTCCACCTGCGCAATCACCAGCTGAGGCGGGAATTCACGGG 1020
2283 CCATACCTGATCTCTCCACCTGCGCAATCACCAGCTGAGGCGGGAATTCACGGG 2342
1021 GCAGTCTCATTAATCTGATCTGCAAGCTCTCGGAGTATGATGATGATGATGATGATGATG 1080
2343 GCAGTCTCATTAATCTGATCTGCAAGCTCTCGGAGTATGATGATGATGATGATGATGATG 2402
1081 ACAAGTATATCATTCGAATAAGTACAAATTTCTTGTATCTCAGACAAAGTTCAATGAAT 1140
2403 ACAAGTATATCATTCGAATAAGTACAAATTTCTTGTATCTCAGACAAAGTTCAATGAAT 2462
1141 CTCCTTCAAGTGAATGATGCTCTCATCCCAAGGAGGCAACTCTGAGGAAGTCTTTT 1200
2463 CTCCTTCAAGTGAATGATGCTCTCATCCCAAGGAGGCAACTCTGAGGAAGTCTTTT 2522
1201 TGTGTTAAACGAAACATTTACTTTTGAATGAGCAGAGTCTTTTCTGATGATGATGATGATG 1260
2523 TGTGTTAAACGAAACATTTACTTTTGAATGAGCAGAGTCTTTTCTGATGATGATGATGATG 2582
1261 CTGTTGATAAGTCTGATCTGAAATCAGAAATCAGAAATTCAGAGGATCTTTTGTGTTA 1320
2583 CTGTTGATAAGTCTGATCTGAAATCAGAAATCAGAAATTCAGAGGATCTTTTGTGTTA 2642
1321 TTCCTTCCAGACTCGGCGCAGAGACACCTAGTCTGATGAAACGCTGCTCTCTGCTCTTA 1380
2643 TTCCTTCCAGACTCGGCGCAGAGACACCTAGTCTGATGAAACGCTGCTCTCTGCTCTTA 2702
1381 ATATTTCATATCAACAGCACCATTCTTGGCATTTCACATTTTAAATTAATGTTGAAGTGA 1440
2703 ATATTTCATATCAACAGCACCATTCTTGGCATTTCACATTTTAAATTAATGTTGAAGTGA 2762
1441 TAGGAGAACTGCAGCTGTCAATAGCTAGGCTGAAATTTTGTCTCAGATAAATAAATAA 1500
2763 TAGGAGAACTGCAGCTGTCAATAGCTAGGCTGAAATTTTGTCTCAGATAAATAAATAA 2822

QY 1501 TCATTTCATCTTTTGTGATTATATAAATTTTCTAAAAATGATTTTGTAGACTTCTCTGTAGG 1560
Db 2823 TCATTTCATCTTTTGTGATTATATAAATTTTCTAAAAATGATTTTGTAGACTTCTCTGTAGG 2882
QY 1561 GGGCGATATCTAAATGTATATAGTACATTTTATATACTAAATGTATTTCTGTAGGGGGCGAT 1620
Db 2883 GGGCGATATCTAAATGTATATAGTACATTTTATATACTAAATGTATTTCTGTAGGGGGCGAT 2942
QY 1621 ATACTAAATGTATTTTAGACTTCTGTAGGGGGCGATATAAATAAATGCTTAACCACTGG 1680
Db 2943 ATACTAAATGTATTTTAGACTTCTGTAGGGGGCGATATAAATAAATGCTTAACCACTGG 3002
QY 1681 GTA 1683
Db 3003 GGA 3005

RESULT 2

US-09-016-434-850
; Sequence 850, Application US/09016434
; Patent No. 6500938
; GENERAL INFORMATION:
; APPLICANT: Janice Au-Young
; APPLICANT: Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING
; TITLE OF INVENTION: PATHWAY GENE EXPRESSION
; NUMBER OF SEQUENCES: 1490
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/016.434
; FILING DATE: HEREWITH
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Zeller, Karen J.
; REGISTRATION NUMBER: 37,071
; REFERENCE/DOCKET NUMBER: PA-0002 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 850:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1512 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: COLNNOT01
; CLONE: 608819
US-09-016-434-850

Query Match 89.8%; Score 1512; DB 4; Length 1512;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1512; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 AACAAAGTGGTCCCATCATCCACACAGTCGCTTTGGGGCCCTCTGCAGCTCAAGAACTAG 60
Db 1 AACAAAGTGGTCCCATCATCCACACAGTCGCTTTGGGGCCCTCTGCAGCTCAAGAACTAG 60

LOCATION: (1) ..(2742)
US-09-623-624-5

Query Match		87.2%	Score 1467.4;	DB 4;	Length 2745;
Best Local Similarity		99.9%;	Pred. No. 0;		
Matches 1468; Conservative		0;	Mismatches 1;	Indels 0;	Gaps 0;
QY	1	AACAAAGTGGTCCCATCATCCACAGTCGCTTTGGGGCCCTCTCAGCTCAAGAACTAG	60		
DB	1277	AACAAAGTGGTCCCATCATCCACAGTCGCTTTGGGGCCCTCTCAGCTCAAGAACTAG	1336		
QY	61	AGGAGCTGTCCAAAATGACAGGAGTTTACAGACATATGCTTTTCAGATCAAGTTTCAGAAACA	120		
DB	1337	AGGAGCTGTCCAAAATGACAGGAGTTTACAGACATATGCTTTTCAGATCAAGTTTCAGAAACA	1396		
QY	121	ATGGGCTCATGATGCTTTTGGGGCCCTTTTCATCAGGAAATGGAGTGTCTCTCAGCGCT	180		
DB	1397	ATGGGCTCATGATGCTTTTGGGGCCCTTTTCATCAGGAAATGGAGTGTCTCTCAGCGCT	1456		
QY	181	CCATCCAGCTTGAGAGTAAGGATTAACCTCCAGAACAGCCAGTGGATGAATGCCACAG	240		
DB	1457	CCATCCAGCTTGAGAGTAAGGATTAACCTCCAGAACAGCCAGTGGATGAATGCCACAG	1516		
QY	241	TGATCGTGACAGCACCGTGGGAAAGGACACTTTTCTTATCACCTGGACAACGCCAGC	300		
DB	1517	TGATCGTGACAGCACCGTGGGAAAGGACACTTTTCTTATCACCTGGACAACGCCAGC	1576		
QY	301	CTCCCAAAATCTCTCTGGGATCCAGATGGGACAGAGCAAGGTGGCTTTTGTAGTGGACA	360		
DB	1577	CTCCCAAAATCTCTCTGGGATCCAGATGGGACAGAGCAAGGTGGCTTTTGTAGTGGACA	1636		
QY	361	AAAAACCAAAATGGCTTACCTCCAAATCCAGGCAATGCTAAGCTTGGCACTTGGAAAT	420		
DB	1637	AAAAACCAAAATGGCTTACCTCCAAATCCAGGCAATGCTAAGCTTGGCACTTGGAAAT	1696		
QY	421	ACAGCTCTGCAACCAAGCTCACAAACCTTGACCTGACTGCTACGTCCTGGTCCCAATG	480		
DB	1697	ACAGCTCTGCAACCAAGCTCACAAACCTTGACCTGACTGCTACGTCCTGGTCCCAATG	1756		
QY	481	CTACCTGCTGCTCAATATACAGTGACTTCCAAAACGAAACGACACCGACAAATTCGCCA	540		
DB	1757	CTACCTGCTGCTCAATATACAGTGACTTCCAAAACGAAACGACACCGACAAATTCGCCA	1816		
QY	541	GCCTCTGCTGCTTATGCAATATTCGCAAGGAGCTCCCAATTCCTCAGGGCCAGTG	600		
DB	1817	GCCTCTGCTGCTTATGCAATATTCGCAAGGAGCTCCCAATTCCTCAGGGCCAGTG	1876		
QY	601	TCACAGCCCTGATTAATCAGTGAATGGAAACAGTTTACCTTGGAACTACTTGGATAATG	660		
DB	1877	TCACAGCCCTGATTAATCAGTGAATGGAAACAGTTTACCTTGGAACTACTTGGATAATG	1936		
QY	661	GAGCAGGCTGCTGATGCTACTAAGATGACGGTGTCTCTCAAGAGTATTTTCAACATTATG	720		
DB	1937	GAGCAGGCTGCTGATGCTACTAAGATGACGGTGTCTCTCAAGAGTATTTTCAACATTATG	1996		
QY	721	ACACCAATGGTATACAGTGTAAAGTTCGGGCTCTGGGAGGTTAACGCGACGAC	780		
DB	1997	ACACCAATGGTATACAGTGTAAAGTTCGGGCTCTGGGAGGTTAACGCGACGAC	2056		
QY	781	GGAGAGTGATACCCAGCAGAGTGAGCACTGTACATACCTGGCTGGATTGAGATGATG	840		
DB	2057	GGAGAGTGATACCCAGCAGAGTGAGCACTGTACATACCTGGCTGGATTGAGATGATG	2116		
QY	841	AAATCAATGGAAATCCACCAAGCTGAAATTAATAAGGATGATTTTCAACAACAGCAAG	900		
DB	2117	AAATCAATGGAAATCCACCAAGCTGAAATTAATAAGGATGATTTTCAACAACAGCAAG	2176		
QY	901	TGTGTTTCAGCAGACATCTCGGAGGCTCATTTGTGGCTTCTGATGTCCCAATGCTC	960		
DB	2177	TGTGTTTCAGCAGACATCTCGGAGGCTCATTTGTGGCTTCTGATGTCCCAATGCTC	2236		
QY	961	CCATACCTGATCTCTTCCCACTGGCCAAATCACCGACCTGAAGCGGAAATTCACGGGG	1020		

DB	2237	CCATACCTGATCTCTTCCCACTGGCCAAATCACCGACCTGAAGCGGAAATTCACGGGG	2296		
QY	1021	GCAGTCTCATTAATCTGACTTTGGACAGCTCTCTGGGGATGATTTATGACCATGGAACAGCTC	1080		
DB	2297	GCAGTCTCATTAATCTGACTTTGGACAGCTCTCTGGGGATGATTTATGACCATGGAACAGCTC	2356		
QY	1081	ACAAGTATATCAITTCGAATAAGTACAAGTATTTCTTTGATCTCAGAGACAAGTTCAATGAAT	1140		
DB	2357	ACAAGTATATCAITTCGAATAAGTACAAGTATTTCTTTGATCTCAGAGACAAGTTCAATGAAT	2416		
QY	1141	CTCTTCAAGTGAATCTACTCTCTCTCATCCCAAGGAAGCCAACTCTGAGGAAGTCTTTT	1200		
DB	2417	CTCTTCAAGTGAATCTACTCTCTCTCATCCCAAGGAAGCCAACTCTGAGGAAGTCTTTT	2476		
QY	1201	TGTTTAAACCAAGAAACATTTTGAATAATGGCACAGATCTTTTCAATGCTATTTCAGG	1260		
DB	2477	TGTTTAAACCAAGAAACATTTTGAATAATGGCACAGATCTTTTCAATGCTATTTCAGG	2536		
QY	1261	CTGTTGATAAGGTGATCTGAAATCAGAAATATCCAACTTGACGAGTATCTTTGTTT	1320		
DB	2537	CTGTTGATAAGGTGATCTGAAATCAGAAATATCCAACTTGACGAGTATCTTTGTTT	2596		
QY	1321	TTCTTCCAAGACTCCGCGCAGAGACACCTAGTCTCTGATGAAACGCTGCTCTTGTCTTA	1380		
DB	2597	TTCTTCCAAGACTCCGCGCAGAGACACCTAGTCTCTGATGAAACGCTGCTCTTGTCTTA	2656		
QY	1381	ATATTCATATCAACAGACACCATCTCTGCAATTCACATTTTAAATTAATGTGGAAGTGA	1440		
DB	2657	ATATTCATATCAACAGACACCATCTCTGCAATTCACATTTTAAATTAATGTGGAAGTGA	2716		
QY	1441	TAGGAGAACTGCGCTGTCAATAGCCTAG	1469		
DB	2717	TAGGAGAACTGCGCTGTCAATAGCCTAG	2745		

RESULT 4
US-09-623-624-1
; Sequence 1, Application US/09623624
; Patent No. 6576434
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/09/623,624
; CURRENT FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,472
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,110
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,168
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/980,872
; PRIOR FILING DATE: 1997-12-01
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.0

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; SEQ ID NO 1
; LENGTH: 2931
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (8)..(2746)
US-09-623-624-1

Query Match      56.0%; Score 942.6; DB 4; Length 2931;
Best Local Similarity 76.9%; Pred. No. 6.6e-286;
Matches 1212; Conservative 0; Mismatches 339; Indels 26; Gaps 4;

QY 1 AACAAAGTGGTGCATATCCACAGTGCCTTTGGGGCCCTCTGCAGTCTCAAGAACTAG 60
Db 1287 AGCAGAGCGGGGCCATCATCCATACAGTGGCCCTGGGAGCGGCTGCCGTAAAGAGCTTG 1346

QY 61 AGGAGCTGTCCTAAATGACAGGAGGTTTACAGACATATGCTTCAGATCAAGTTCAAGA 120
Db 1347 AGCAGCTGTCCAAATGACAGGAGGCTTCGACACATATCTTTTCGGATCAGGTTCAAGA 1406

QY 121 ATGGCCCTCATTTGATGCTTTTGGGGCCCTTTTCATCAGGAAATGAGCTGTCTCTCAG 180
Db 1407 ATGGCTTTGATGCTTTTCGAGCACTCTCTCAGGAAATGCGGCGATGCTCAGCACT 1466

QY 181 CCATCAGCTTGAGAGTAAGGATTAACCCCTCCAGAACCCAGTGGATGAATGGCACAG 240
Db 1467 CCATCAGCTGGAGAGCAGGGAGTTAATCTCCAGAAATTAACCAATGGATGAATGGCTCAG 1526

QY 241 TGATCGTGACAGCAGCGTGGGAAAGGACACTTTGTTCTTATCAGCTGGACACGCGAG 300
Db 1527 TGATCGTGACAGCTCGGTGGGCAAGGACACCTTTGTTCTTATCAGCTGGACACGCGATC 1586

QY 301 CTCGCCAAATCTCTCTGGGATCCAGTGGACAGAAAGAGTGGCTTTGTAGTGACAC 360
Db 1587 CTCCTACATATTTATCTGGGATCCAGCGGAGTGGAAACAAATGGTTTATCTAGACA 1646

QY 361 AAAACACCAAAATGGCTACCTCCAAATCCAGGCAATGCTAAGTGGCACTTGGAAAT 420
Db 1647 CAACCACTAAGTGGCTACCTCCAAATCCAGGCAAGCTAAGTGGCTTTGGAAAT 1706

QY 421 ACAGTCTGCAAGCAGCTCACAACCTTGACCTGACTGCTGAGTCCCGTGGTCAATG 480
Db 1707 ACAGCAATCAAGCGAGCTCAGAGCTCTCACCTTGACTGCTGACCTCCCGTGGCAAGTG 1766

QY 481 CTACCTGCTCCTCAATTTACAGTGACTTCCAAAACGAAACAGGACACAGCAAAATCCCA 540
Db 1767 CTACCTGCTCCTTATTACAGTGACCCCGGTAGTGAATGAACACAGGAAATTTCCCA 1826

QY 541 GCCCTCTGGTAGTTTATGCAATATTTGCCAAGGAGCCCTCCCAATTTCTCAGGCGCAGTG 600
Db 1827 GCCCTGTAACAGTGATGCAAGCATTTGCCAAGGAGCCCTCGCTATTCTCAGGCGCAGTG 1886

QY 601 TCACAGCCCTGATGTAATCAGTGAATGGAAGAAACAGTTACCTTGGAACTACTGGATAATG 660
Db 1887 TCACAGCCCTGATGTAATCTGTAATGGAAGAAACAGTTAAACCTTGGAAATTTACTGGTAA 1946

QY 661 GAGCAGGTGCTCATGCTACTAAGGATGAGCGGTGCTTACTCAAGGTATTTCAACAATTATG 720
Db 1947 GAGCAGGTGCCATGCGCCCAAGAAATGATGGTGTCTACTCAAGTTTTTTTACAGCTTTTG 2006

QY 721 ACACGAATGGTAGATACAGTGTAAAGTGGGGCTCTGGGAGAGTGAACGAGCCAGAC 780
Db 2007 ATGCAATGGTAGATACAGCGTTAAATATGGCTCTGGGAGAGTCACTTCAGACAGAC 2066

QY 781 GGAGAGTGATACCCAGCAGAGTGGAGCACTGTATACATCCTGGCTGGATGAGATGATG 840
Db 2067 AGAGAGCAGCACTCCGAAGAAGACAGAGCCATGTATACATGCTGGATGAGGATGGTG 2126

QY 841 AATACAAATGGATCCACCAAGACCTGAAATTAATAAGGATGATGTTTCAACAACAGCAG 900
Db 2127 AAGTAAGAATGAACCCACCGCTCTGAAACTA-----GTTATGTTCAAGACAAGCAGC 2180
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RESULT 5

US-08-469-667-8

; Sequence 8, Application US/08469667

; Patent No. 5733748

; GENERAL INFORMATION:

; APPLICANT: Yu, Guo-Liang

; APPLICANT: Rosen, Craig

; TITLE OF INVENTION: Colon Specific Genes and Proteins

; NUMBER OF SEQUENCES: 24

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Carella, Byrne, Bain, Gilfillan, Cecchi,

; STREET: 6 Becker Farm Road

; CITY: Roseland

; STATE: NJ

; COUNTRY: USA

; ZIP: 07068-1739

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/469,667

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/ FILING DATE: 06-JUN-1995
/ CLASSIFICATION: 536
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Ferraro, Gregory D.
/ REGISTRATION NUMBER: 36,134
/ REFERENCE/DOCKET NUMBER: 325800-435
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 201-994-1700
/ TELEFAX: 201-994-1744
/ INFORMATION FOR SEQ ID NO: 8:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 878 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: cDNA
/ FEATURE:
/ NAME/KEY: CDS
/ LOCATION: 2..685
US-08-469-667-8

Query Match 47.0%; Score 790.8; DB 1; Length 878;
Best Local Similarity 97.9%; Pred. No. 1.8e-238;
Matches 820; Conservative 1; Mismatches 15; Indels 2; Gaps 2;

QY 692 TGTCTACTCAAGGTATTTTACAACTTATGACACGAATGCTAGATACAGTGTAAAAAGTGG 751
Db 1 TGTCTACTCAAGGTATTTTACAACTTATGACACGAATGCTAGATACAGTGTAAAAAGTGG 60

QY 752 GGCTCTGGGAGGAGTTAACGACGCCAGACGGAGAGTGATACCCAGCAGAGTGGAGCACT 811
Db 61 GGCTCTGGGAGGAGTTAACGACGCCAGACGGAGAGTGATACCCAGCAGAGTGGAGCACT 120

QY 812 GTACATACCTGGCTGGATTGAGAAATGATAAATGGAATCCACCAAGACCTGGAAT 871
Db 121 GTACATACCTGGCTGGATTGAGAAATGATAAATGGAATCCACCAAGACCTGGAAT 180

QY 872 TAATAGGATGATGTTCAACACAGCAGAGTGTTTTCAGCAGAACTCTCGGGAGGCTC 931
Db 181 TAATAGGATGATGTTCAACACAGCAGAGTGTTTTCAGCAGAACTCTCGGGAGGCTC 240

QY 932 ATTTGTGGCTTCTGATGCTCCAAATGCTCCCATACCTGATCTCTTCCCACCTGGGCAAT 991
Db 241 ATTTGTGGCTTCTGATGCTCCAAATGCTCCCATACCTGATCTCTTCCCACCTGGGCAAT 300

QY 992 CACCGACCTGAAGGCGGAAATTCAGCGGGGAGTCTCATTAATCTGACTTGACAGCTCC 1051
Db 301 CACCGACCTGAAGGCGGAAATTCAGCGGGGAGTCTCATTAATCTGACTTGACAGCTCC 360

QY 1052 TGGGGATGATTATGACCATGGAACAGCTCACAAGTATATCATTCGAATAAGTACAAAGTAT 1111
Db 361 TGGGGATGATTATGACCATGGAACAGCTCACAAGTATATCATTCGAATAAGTACAAAGTAT 420

QY 1112 TCTTGATCTCAGACAAAGTTCATGAATCTCTTCAAGTGAATCTACTGCTCTCATCC 1171
Db 421 TCTTGATCTCAGACAAAGTTCATGAATCTCTTCAAGTGAATCTACTGCTCTCATCC 480

QY 1172 AAAGGAAGCAACTCTGAGGAAGTCTTTTGTGTTTAAACAGAAAAATTAATCTTTTGAATA 1231
Db 481 AAAGGAAGCAACTCTGAGGAAGTCTTTTGTGTTTAAACAGAAAAATTAATCTTTTGAATA 540

QY 1232 TGGCAGATCTTTTCAATGCTTATTCAGGCTGTTGATAGGTCGATCTGAAATCAGAAT 1291
Db 541 TGGCAGATCTTTTCAATGCTTATTCAGGCTGTTGATAGGTCGATCTGAAATCAGAAT 600

QY 1292 ATCCAACTTGCACGAGTATCTTTGTTTATTCCTCCAGACTCCGCCAGACACCTAG 1351
Db 601 ATCCAACTTGCACGAGTATCTTTGTTTATTCCTCCAGACTCCGCCAGACACCTAG 660

QY 1352 TCTGATGAAAGCTGCTGCTCTTGT- CTTAATTTTCAATCAACAGCACCATTCTGGCA 1410
Db 661 TCTGATGAAAGCTGCTGCTCTTGTGCTCTTGTGCTTAAATTTATATCAACAGCACCATTCTGGCA 720

QY 1411 TTCACATTTTAAAAATTTATGTGGAAGTGGATAGGAGAACTGCAGCTGTCAATAGCTAGG 1470
Db 721 TTCACATTTTAAAAATTTATGTGGAAGTGGATAGGAGAACTGCAGCTGTCAATAGCTAGG 780

QY 1471 GCTGAATTTTGTCTAGATAAATAAATAAATCAATTCATCCCTTTTGTGATTTATAAAA 1528
Db 781 GCTGAATTTTGTCTAGATAAATAAATAAATCAATTCATCCCTTTTGTGATTTATAAAA 837

RESULT 6
US-09-224-110-8
/ Sequence 8, Application US/09224110
/ Patent No. 6337195
/ GENERAL INFORMATION:
/ APPLICANT: Yu, Guo-Liang
/ APPLICANT: Rosen, Craig
/ TITLE OF INVENTION: Colon Specific Genes and Proteins
/ NUMBER OF SEQUENCES: 24
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Carella, Byrne, Bain, Gilfillan, Cecchi,
/ ADDRESSEE: Stewart & Olstein
/ STREET: 6 Becker Farm Road
/ CITY: Roseland
/ STATE: NJ
/ COUNTRY: USA
/ ZIP: 07068-1739
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/09/224,110
/ FILING DATE:
/ CLASSIFICATION:
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 08/469,667
/ FILING DATE: 06-JUN-1995
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Ferraro, Gregory D.
/ REGISTRATION NUMBER: 36,134
/ REFERENCE/DOCKET NUMBER: 325800-435
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 201-994-1700
/ TELEFAX: 201-994-1744
/ INFORMATION FOR SEQ ID NO: 8:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 878 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: cDNA
/ FEATURE:
/ NAME/KEY: CDS
/ LOCATION: 2..685
US-09-224-110-8

Query Match 47.0%; Score 790.8; DB 4; Length 878;
Best Local Similarity 97.9%; Pred. No. 1.8e-238;
Matches 820; Conservative 1; Mismatches 15; Indels 2; Gaps 2;

QY 692 TGTCTACTCAAGGTATTTTACAACTTATGACACGAATGCTAGATACAGTGTAAAAAGTGG 751
Db 1 TGTCTACTCAAGGTATTTTACAACTTATGACACGAATGCTAGATACAGTGTAAAAAGTGG 60

QY 752 GGCTCTGGGAGGAGTTAACGACGCCAGACGGAGAGTGTATACCCAGCAGAGTGGAGCACT 811
Db 61 GGCTCTGGGAGGAGTTAACGACGCCAGACGGAGAGTGTATACCCAGCAGAGTGGAGCACT 120

QY 812 GTACATACCTGGCTGGATTGAGAAATGATAAATGGAATCCACCAAGACCTGGAAT 871
Db 121 GTACATACCTGGCTGGATTGAGAAATGATAAATGGAATCCACCAAGACCTGGAAT 180

QY 872 TAATAGGATGATGTTCAACACAGCAGAGTGTTTTCAGCAGAACTCTCGGGAGGCTC 931
Db 181 TAATAGGATGATGTTCAACACAGCAGAGTGTTTTCAGCAGAACTCTCGGGAGGCTC 240

QY 932 ATTTGTGGCTTCTGATGCTCCAAATGCTCCCATACCTGATCTCTTCCCACCTGGGCAAT 991
Db 241 ATTTGTGGCTTCTGATGCTCCAAATGCTCCCATACCTGATCTCTTCCCACCTGGGCAAT 300

QY 992 CACCGACCTGAAGGCGGAAATTCAGCGGGGAGTCTCATTAATCTGACTTGACAGCTCC 1051
Db 301 CACCGACCTGAAGGCGGAAATTCAGCGGGGAGTCTCATTAATCTGACTTGACAGCTCC 360

QY 1052 TGGGGATGATTATGACCATGGAACAGCTCACAAGTATATCATTCGAATAAGTACAAAGTAT 1111
Db 361 TGGGGATGATTATGACCATGGAACAGCTCACAAGTATATCATTCGAATAAGTACAAAGTAT 420

QY 1112 TCTTGATCTCAGACAAAGTTCATGAATCTCTTCAAGTGAATCTACTGCTCTCATCC 1171
Db 421 TCTTGATCTCAGACAAAGTTCATGAATCTCTTCAAGTGAATCTACTGCTCTCATCC 480

QY 1172 AAAGGAAGCAACTCTGAGGAAGTCTTTTGTGTTTAAACAGAAAAATTAATCTTTTGAATA 1231
Db 481 AAAGGAAGCAACTCTGAGGAAGTCTTTTGTGTTTAAACAGAAAAATTAATCTTTTGAATA 540

QY 1232 TGGCAGATCTTTTCAATGCTTATTCAGGCTGTTGATAGGTCGATCTGAAATCAGAAT 1291
Db 541 TGGCAGATCTTTTCAATGCTTATTCAGGCTGTTGATAGGTCGATCTGAAATCAGAAT 600

QY 1292 ATCCAACTTGCACGAGTATCTTTGTTTATTCCTCCAGACTCCGCCAGACACCTAG 1351
Db 601 ATCCAACTTGCACGAGTATCTTTGTTTATTCCTCCAGACTCCGCCAGACACCTAG 660

QY 1352 TCTGATGAAAGCTGCTGCTCTTGT- CTTAATTTTCAATCAACAGCACCATTCTGGCA 1410
Db 661 TCTGATGAAAGCTGCTGCTCTTGTGCTCTTGTGCTTAAATTTATATCAACAGCACCATTCTGGCA 720
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QY 872 TAATAAGGATGATGTTCAACACAGCAAGTGTGTTTTCAGCAGAACATCTCCGGAGGCTC 931
DB 181 TAATAAGGATGATGTTCAACACAGCAAGTGTGTTTTCAGCAGAACATCTCCGGAGGCTC 240
QY 932 ATTGTGGCTTCTGATGTCCTCCAAATCTCCATACCTGATCTCTCCACCTGGCCAAAT 991
DB 241 ATTGTGGCTTCTGATGTCCTCCAAATCTCCATACCTGATCTCTCCACCTGGCCAAAT 300
QY 992 CACCGACCTGAAGCGGGAATTCACGGGGCAGTCTCATTAATCTGACCTTGACAGCTCC 1051
DB 301 CACCGACCTGAAGCGGGAATTCACGGGGCAGTCTCATTAATCTGACCTTGACAGCTCC 360
QY 1052 TGGGATGATGATGACCATGGAACAGCTCACAAGTATATCATTCGATGATGATGAT 1111
DB 361 TGGGATGATGATGACCATGGAACAGCTCACAAGTATATCATTCGATGATGATGAT 420
QY 1112 TCTTGATCTCAGACAGCAAGTTCATGAATCTCTCAAGTGAATGATGATGATGATGAT 1171
DB 421 TCTTGATCTCAGACAGCAAGTTCATGAATCTCTCAAGTGAATGATGATGATGATGAT 480
QY 1172 AAAGGAAGCAACTCTGAGGAAGTCTTTTGTGTTTAAACAGAAACATTTCTTTGAAA 1231
DB 481 AAAGGAAGCAACTCTGAGGAAGTCTTTTGTGTTTAAACAGAAACATTTCTTTGAAA 540
QY 1232 TGGCAGATCTTTTCAATGCTATTCAGGCTGTTGATGATGATGATGATGATGATGAT 1291
DB 541 TGGCAGATCTTTTCAATGCTATTCAGGCTGTTGATGATGATGATGATGATGATGAT 600
QY 1292 ATCCAACTTGACAGATCTTTTGTGTTTAAACAGAAACATTTCTTTGAAA 1351
DB 601 ATCCAACTTGACAGATCTTTTGTGTTTAAACAGAAACATTTCTTTGAAA 660
QY 1352 TCGTGAAGACGCTGCTGCTCTGTGTTTAAACAGAAACATTTCTTTGAAA 1410
DB 661 TCGTGAAGACGCTGCTGCTCTGTGTTTAAACAGAAACATTTCTTTGAAA 720
QY 1411 TTCACATTTTAAATATGGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 1470
DB 721 TTCACATTTTAAATATGGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 780
QY 1471 GCTGAATTTTCTCAGATAAATAAATAAATCAATCATCTCTTTTGTGTTTAAATA 1528
DB 781 GGTGAATTTTGTGCGGTGAAT-AAATAATATTTTCAACCTTTTGTGTTTAAATA 837

RESULT 7

PCT-US95-07289-8
; Sequence 8, Application PC/TUS9507289
; GENERAL INFORMATION:
; APPLICANT: Yu, Guo-Liang
; APPLICANT: Rosen, Craig
; TITLE OF INVENTION: Colon Specific Genes and Proteins
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Carella, Byrne, Bain, Gilfillan, Cecchi,
; STREET: 6 Becker Farm Road
; CITY: Roseland
; STATE: NJ
; COUNTRY: USA
; ZIP: 07068-1739
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/07289
; FILING DATE: 06-JUN-1995
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Ferraro, Gregory D.
; REGISTRATION NUMBER: 36,134

REFERENCE/DOCKET NUMBER: 325800-265
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-994-1700
TELEFAX: 201-994-1744
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 878 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 2..685
PCT-US95-07289-8

Query Match 47.0%; Score 790.8; DB 5; Length 878;
Best Local Similarity 97.9%; Pred. No. 1.8e-238;
Matches 820; Conservative 1; Mismatches 15; Indels 2; Gaps 2;

QY 692 TGTCTACTCAAGGTATTTTCAACAACTTATGACACGAATGGTAGATACAGTGTAAAAAGTCG 751
DB 1 TGTCTACTCAAGGTATTTTCAACAACTTATGACACGAATGGTAGATACAGTGTAAAAAGTCG 60
QY 752 GGTCTCGGAGAGATTAAACGACGAGCGGAGAGATGATACCCAGCAGAGTGGAGCACT 811
DB 61 GGTCTCGGAGAGATTAAACGACGAGCGGAGAGATGATACCCAGCAGAGTGGAGCACT 120
QY 812 GTACATACCTGCTCGATTGGAATGATGAATACAAATGGAATCCACCAAGACCTCAAAAT 871
DB 121 GTACATACCTGCTCGATTGGAATGATGAATACAAATGGAATCCACCAAGACCTCAAAAT 180
QY 872 TAATAAGGATGATGTTTCAACACAGCAAGTGTGTTTTCAGCAGAAACATCTCCGGAGGCTC 931
DB 181 TAATAAGGATGATGTTTCAACACAGCAAGTGTGTTTTCAGCAGAAACATCTCCGGAGGCTC 240
QY 932 ATTGTGGCTTCTGATGTCCTCCAAATGCTCCCATACCTGATCTCTTCCCACTGGCCAAAT 991
DB 241 ATTGTGGCTTCTGATGTCCTCCAAATGCTCCCATACCTGATCTCTTCCCACTGGCCAAAT 300
QY 992 CACCGACCTGAAGCGGGAATTCACGGGGCAGTCTCATTAATCTGACCTTGACAGCTCC 1051
DB 301 CACCGACCTGAAGCGGGAATTCACGGGGCAGTCTCATTAATCTGACCTTGACAGCTCC 360
QY 1052 TGGGATGATGATGACCATGGAACAGCTCACAAGTATATCATTCGATGATGATGATGAT 1111
DB 361 TGGGATGATGATGACCATGGAACAGCTCACAAGTATATCATTCGATGATGATGATGAT 420
QY 1112 TCTTGATCTCAGACAGCAAGTTCATGAATCTCTTCAAGTGAATGATGATGATGATGAT 1171
DB 421 TCTTGATCTCAGACAGCAAGTTCATGAATCTCTTCAAGTGAATGATGATGATGATGAT 480
QY 1172 AAAGGAAGCAACTCTGAGGAAGTCTTTTGTGTTTAAACAGAAACATTTCTTTGAAA 1231
DB 481 AAAGGAAGCAACTCTGAGGAAGTCTTTTGTGTTTAAACAGAAACATTTCTTTGAAA 540
QY 1232 TGGCAGATCTTTTCAATGCTATTCAGGCTGTTGATGATGATGATGATGATGATGAT 1291
DB 541 TGGCAGATCTTTTCAATGCTATTCAGGCTGTTGATGATGATGATGATGATGATGAT 600
QY 1292 ATCCAACTTGACAGATCTTTTGTGTTTAAACAGAAACATTTCTTTGAAA 1351
DB 601 ATCCAACTTGACAGATCTTTTGTGTTTAAACAGAAACATTTCTTTGAAA 660
QY 1352 TCGTGAAGACGCTGCTGCTCTGTGTTTAAACAGAAACATTTCTTTGAAA 1410
DB 661 TCGTGAAGACGCTGCTGCTCTGTGTTTAAACAGAAACATTTCTTTGAAA 720
QY 1411 TTCACATTTTAAATATGGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 1470
DB 721 TTCACATTTTAAATATGGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 780
QY 1471 GCTGAATTTTGTGCGGTGAAT-AAATAATATTTTCAACCTTTTGTGTTTAAATA 1528

Db 781 GGTGAATTTTCTGCGGTGAAT-AAATAATATTCANCCCTTTTGTGTTTATATAAA 837

RESULT 8

US-09-049-698-16
; Sequence 16, Application US/09049698
; Patent No. 6368792
; GENERAL INFORMATION:
; APPLICANT: BILLING-MEDEL, PATRICIA A.
; APPLICANT: COHEN, MAURICE
; APPLICANT: COLPITTS, TRACEY L.
; APPLICANT: FRIEDMAN, PAULA N.
; APPLICANT: HAYDEN, MARK
; APPLICANT: KLASS, MICHAEL R.
; APPLICANT: ROBERTS-RAPP, LISA
; APPLICANT: RUSSELL, JOHN C.
; APPLICANT: STROUPE, STEPHEN D.
; TITLE OF INVENTION: REAGENTS AND METHODS FOR THE
; TITLE OF INVENTION: USEFUL FOR DETECTING DISEASES OF THE GASTROINTESTINAL
; TRACT
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSER: Abbott Laboratories
; STREET: 100 Abbott Park Road
; CITY: Abbott Park
; STATE: IL
; COUNTRY: USA
; ZIP: 60064-3500
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/049,698
; FILING DATE:
; CLASSIFICATION:
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: 08/828,856
; FILING DATE: 31-MAR-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Becker, Cheryl L.
; REGISTRATION NUMBER: 35,441
; REFERENCE/DOCKET NUMBER: 6068.US.PI
; TELEPHONE: 847/935-1729
; TELEFAX: 847/938-2623
; TELEX:
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3043 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-09-049-698-16

Query Match 40.0%; Score 673.8; DB 4; Length 3043;
Best Local Similarity 69.2%; Pred. No. 2.7e-201;
Matches 966; Conservative 0; Mismatches 417; Indels 12; Gaps 3;

QY 1 AACAAAGTGGTCCCATCCACAGTCGCTTTGGGGCCCTCTCGAGCTCAAGAACTAG 60
Db 1293 AACAAAGTGGGGCCCATGTTCATTTATTTGCTTTGGGAAGAGCTGCTGATGAAGCAGTAA 1352
QY 61 AGGAGTGTCCAAAATGACAGGAGGTTTACAGACATATGCTTCAGATCAAGTTTCAGAA 120
Db 1353 TAGAGATGAGCAAGATAACAGGAGGAAGTCAITTTATGTTTCAGATGAAGCTCAGAA 1412
QY 121 ATGGGCTCATTCATGCTTTTGGGGCCCTTTTCATCAGGAAATGGAGTGTCTCTCAGCG 180
Db 1413 ATGGGCTCATTCATGCTTTTGGGGCTTTTACATCAGGAAATATCTGATCTCTCCCAAGT 1472

QY 181 CCATCCAGCTTGAGAGTAAGGATTAACCTCCAGACAGCCAGTGGATGATGACACAG 240
Db CCCITCAGCTCGAAAGTAAGGATTAACCTGAAATAGTAATGCTTGGATGAACGACACTG 1532
QY 241 TGATCGTGACAGCACCGTGGGAAGGACACTTTGTTTCTTATCATCTTGGAACAACGACG 300
Db TCATAAATTGATAGTACAGTGGGAAGGACAGCTTCTTCTCATCATGGAACAGCTGTC 1592
QY 301 CTCGCCAATCTTCTCTGCGGATCCAGTGGACAGCAAGGTGGCTTTGTAGTGGACA 360
Db CTCGCCAGTATTTCTCTGCGGATCCAGTGGAAACAAATTAATGGAATAATTCACAGTGG 1652
QY 361 AAAACACCAAAATGGCTTACCTCCAAATCCCAGGCAATGCTAAAGTTGGCACTTTG 420
Db CAACTTCCAAATGGCTTATCTCAGTATTCAGGAATGCAAAAGTGGGCACTTTGGGCAT 1712
QY 421 ACAGTCTGC-----AAGCAAGCTCAAAACCTTGACCTGACTGTCTCAGTCCCGT 474
Db ACAATCTTCAAGCCAAAGCAACCCAGAAACATTAACATTAACAGTAACCTTCTCAGAG 1772
QY 475 CCAATGCTACCTGCTCCAAATTAACAGTACTTCCAAACGAAACAGGACACCAAGCAAT 534
Db CAAATCTTCTGCTCCAAATCAGAGTAATGCTAAATGAATGAAGGACGTTAAACAGTT 1832
QY 535 TCCCCAGCCCTCTGGTAGTTTATGCAAAATATTCCGCAAGGAGCCTCCCCAATTTCT 594
Db TCCCCAGCCCAATGATTGTTTACGCAAAATTTCTACAAGGATATGTACTGTTCTTGGAG 1892
QY 595 CAGTGTACAGCCCTGATTGAATCAGTGAATGGAAGGAAACAGTTACTTCTGGAACACT 654
Db CCAATGTGACTGCTTTTCAATGAATCAGAAATGGAACATACAGAACTTTTGGAACTTT 1952
QY 655 AATATGGAGCAGTGTCTGACTTACTTAAAGTGAAGTGTCTTACTCAGAGTATTTTCA 714
Db AATATGGTGCAGGCGCTGATTTCTTTCAAGAAATGATGGAGTGTACTCCAGGTATTT 2012
QY 715 CTTATGACACGAATGGTAGATACAGTGTAAAGTCCGGGCTCTGGGAGGAGTTAAACG 774
Db CATATACAGAAATGGCAGATATAGCTTAAAGTTCCGGCTCATGGAGGACAAACACTG 2072
QY 775 CCAGACGGAGAGTGATATCCCAGCAGAGTGGAGCACTGTATACATACCTGGCTGGAT 834
Db CCAGGCTAAATTTACGGCTCCACTGAATAGAGCGCGGTATACATACAGGCTGGTAGTA 2132
QY 835 ATGATGAATACNAATGGATCCACCAAGCACTGAAATTAATGAAGTATGTTTCAACAC 894
Db ACGGGGAAATTTGAAGCAAAACCGCCCAAGCACTGAAATTTGAT---GAGGATATCT 2189
QY 895 AGCAAGTGTGTTTTCAGCAGAACATCTCGGGAGGCTCATTTGTGGCTTCTGATGCC 954
Db CTTGGAGGATTTTCAGCCGAAACAGCATCCGGAGGTGCATTTGTGTTATCACAAGTCC 2249
QY 955 ATGCTCCCATACCTGATCTTTCCACCTGGCCAAATCACCGACCTGAAGGCGGAAATTC 1014
Db GCCTTCCCTTGCTGACCAATACCCCAAGTCAATCAGACCTTGATGTCACAGTTTC 2309
QY 1015 ACGGGGCGAGTCTCATTAATCTGACTTGGACAGCTCTCGGGAGTATGATGATGACCA 1074
Db ATAGAGG---ATAAGATATTTTATGAGACAGCAGGAGATTAATTTGATGTTGGAA 2366
QY 1075 CAGCTCACAAGTATATCATTCGAATAAGTACAAATTTCTTGTATCTCAGAGACAAGT 1134
Db AAGTTCAAGTTATATCATAGAATAAGTGAAGTATTTCTTGATCTAGAGACAGTTT 2426
QY 1135 ATGAATCTCTCAAGTGAATACTACTGTCTCATCCAAAGGAGGCAACTCTGAGGAAG 1194
Db ATGATGCTCTTCAAGTAAATACTACTGTCTGTCAACCAAGGAGGCAACTCTCAAGGAA 2486
QY 1195 TCTTTTCTTTAAACCAAGAAACATTTACTTTTGAATAATGGCACAGATCTTTTCA 1254
Db GCTTTGCAATTTAAACCAAGAAATATCTCAGAAAGAAATGCAACCCACATATTTAT 2546
QY 1255 TTCAGGCTGTTGATAAGGTTCGATCTGAAATCAGAAATATCCAACATTCGACAGAT 1314

Db 2547 TTAAGTATAGATAAAGCAATTTGACATCAAAAGTATCCACATGTCACAAAGTAACTT 2606
Qy 1315 TGTATTCTCCACAGACTCCGCCACAGACACACTAGTCTGATGAAAGGTCTGCTCTT 1374
Db 2607 TGTATTCTCCACAGCAATCTGATGACATGATCTACTCTCTACTCTCTACTC 2666
Qy 1375 GTCCTAAATTCATA 1389
Db 2667 CTGATAAAGTCATA 2681

RESULT 9

US-09-049-698-18
; Sequence 18, Application US/09049698
; Patent No. 6368792
; GENERAL INFORMATION:
; APPLICANT: BILLING-MEDEL, PATRICIA A.
; APPLICANT: COHEN, MAURICE
; APPLICANT: COLPITTS, TRACEY L.
; APPLICANT: FRIEDMAN, PAULA N.
; APPLICANT: HAYDEN, MARK
; APPLICANT: KLASS, MICHAEL R.
; APPLICANT: ROBERTS-RAPP, LISA
; APPLICANT: RUSSELL, JOHN C.
; APPLICANT: STROUPE, STEPHEN D.
; TITLE OF INVENTION: REAGENTS AND METHODS FOR THE
; TITLE OF INVENTION: USEFUL FOR DETECTING DISEASES OF THE GASTROINTESTINAL
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Abbott Laboratories
; STREET: 100 Abbott Park Road
; CITY: Abbott Park
; STATE: IL
; COUNTRY: USA
; ZIP: 60064-3500
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/049,698
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/828,856
; FILING DATE: 31-MAR-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Becker, Cheryl L.
; REGISTRATION NUMBER: 35,441
; REFERENCE/DOCKET NUMBER: 6068.US.PI
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 847/935-1729
; TELEFAX: 847/938-2623
; TELEX:
; INFORMATION FOR SEQ ID NO: 18:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3181 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-09-049-698-18
Query Match 40.0%; Score 673.8; DB 4; Length 3181;
Best Local Similarity 69.2%; Pred. No. 2.7e-201;
Matches 966; Conservative 0; Mismatches 417; Indels 12; Gaps 3;

Qy 1 AACAAAGTGGTCCATCATCCACAGTCGCTTTGGGGCCCTCTCGAGCTCAAGACTAG 60
Db 1304 AACAAAGTGGGGCCATGTTTCATTTATGCTTTGGGAAAGAGCTGCTGATGAAGCAGTAA 1363

Qy 61 AGGAGCTGCTCAAAATGACAGGAGTTTACAGACATATGCTTCAGATCAAGTTTCAGAAC 120
Db 1364 TAGAGATGACGAGATAACAGGAGGAAGTCATTTTATGTTTCAGATGAGCTCAGAAC 1423
Qy 121 ATGGCTCATTCATGCTTTTGGGGCCCTTTTCATCAGAAATGAGCTGCTCTCAGCGCT 180
Db 1424 ATGGCTCATTCATGCTTTTGGGGCTTTTACATCAGAAATGATGATCTCTCCAGAAGT 1483
Qy 181 CCATCCAGCTTGAGAGTAAAGGATTAACCTCCAGAACACGCCAGTGGATGAATGGCACAG 240
Db 1484 CCCTTCAGCTCGAAAGTAAGGATTAACACTGAATAGTATGCTCGATGAACGACACTG 1543
Qy 241 TGATCGTACAGACACCGTGGGAAAGGACACATTTGTTTCTTATCATCTGGACAAACGAGC 300
Db 1544 TCATAATTCATAGTACAGTGGGAAAGGACACAGTCTTCTTCATCATCATGACAGACAGTCTGC 1603
Qy 301 CTCGCCAATCTCTCTCGGATCCAGTGGGACAGAAAGCGTGTGTTGTTAGTGGACA 360
Db 1604 CTCGCCAGTATTTCTCTCTGGGATCCAGTGGGAAACAATAATGGAATAATTTTCACAGTGGATG 1663
Qy 361 AAAACACCAAAATGGCTACCTCCAAATCCAGGCAATTCCTAAGTTGGCAGCTTGGAAAT 420
Db 1664 CAATTCCTCAAAATGGCTATCTCAGTATTCAGGAATTCGAAAGTGGGCACTTGGCAT 1723
Qy 421 ACAGTCTGC-----AAGCAAGCTCAAAACCTTGACCTGACTGTCACGTCCTCGTGGCT 474
Db 1724 ACAATCTTCAAGCCAAAGCGAAACCCAGAAACATTAATTAACAGTAACTTCTTCGAGCAG 1783
Qy 475 CCAATGCTACCTGCTCCAAATTCAGTACGCTTCCAAACGACACAGGACACAGCAAT 534
Db 1784 CAAATCTTCTGCTCTCCAAATTCAGTACGCTTAAATGAAATGAAGGACGTTAAACAGTT 1843
Qy 535 TCCCAGCCCTCTGCTAGTTTATGCAAAATATTCGCAAGGAGCTCCCAATTTCTCAGGG 594
Db 1844 TCCCAGCCCAATGATGTTTACGAGAAATTTCTACAGGATATGATCTGTTCTTGGAG 1903
Qy 595 CCAGTGTCAAGCCCTGATGAAATCAGTGAATGGAAAAACAGTTACTTGGAACTACTGG 654
Db 1904 CCAATGTGACTGCTTTCAATGAATCAGAAATGGACATACAGAAATTTTGGAACTTTGG 1963
Qy 655 ATAATGGAGCAGTGTGATGCTTACTAAGATGACGCTTCTACTCAAGTATTTTCACAA 714
Db 1964 ATAATGGTGCAGCGCTGATTTCTTCAAGAAATGAGGAGTCTACTCCAGTATTTTACAG 2023
Qy 715 CTTATGACACGAATGATAGTAAAGTGGGGCTCTGGGAGGAGTTAAAGCAG 774
Db 2024 CATATACAGAAATGCGAGATATAGCTTAAAGTTCGGGCTCATGAGGAGGAAACACTG 2083
Qy 775 CCAGACGGAGAGTGATACCCAGCAGAGTGGAGCACTGTACATACCTGGCTGGATGAGA 834
Db 2084 CCAGGCTAAATTTACGGCTCCACTGAATAGAGCGCGTACATACAGGCTGGGTAGTGA 2143
Qy 835 ATGATGAAATACAAATGGAAATCCACAGACCTGAAATTAATAGGATGATGTTCAACACA 894
Db 2144 ACGGGGAAATTTGAAGCAAAACCCGCCAAGACCTGAAATTTGAT---GAGGATATCTCAGACCA 2200
Qy 895 AGCAAGTGTGTTTTCAGCAGAAACATCTCGGAGGCTCATTTTGGGCTCTGATGTTCCCA 954
Db 2201 CCTTGGAGGATTTACGCCAAGACAGATCCGAGGTCATTTGGTGTATCAAGTCCCAA 2260
Qy 955 ATGCTCCCATACCTGATCTCTTCCACCTGGGCAATATCCAGACCTGAAGGCGGAAATTC 1014
Db 2261 GCCTTCCCTTGCCTGACCAATACCCACCAAGTCAATACAGACCTTGTATGCCACAGTTC 2320
Qy 1015 ACGGGGAGTCTCATTAATCTGATGACAGCTCTCTGGGATGATGATGACCATGGA 1074
Db 2321 ATGAGG---ATAAGATTAATTTTACATGACAGCACCAGGAGATTAATTTGATGTTGGAA 2377
Qy 1075 CAGCTCACAAAGTATATCATTCGAATAAGTACAAAGTATCTTCTGATCTCAGACAGCAAGTCA 1134
Db 2378 AAGTTCAAGGTTATATCATAAGAAATAGTGAAGTATTTCTGATCTTAAGAGACAGTTTG 2437
Qy 1135 ATGAATCTCTTCAAGTGAATACTACTGCTCTCATCCCAAGGAAGCAACTCTGAGGAAG 1194

Db 2438 ATGATGCTCTCAAGTAAATACCTACTGATCTGTCCAAAGGAGGCGCAACTCCAAGGAA 2497
Qy 1195 TCTTTTGTGTTAAACAGAAACATTAATTTTGAATGGCAGACATCTTTTCATTGCTA 1254
Db 2498 GCTTTTGCAATTTAAACAGAAATATCTCAGAAAGAAATGCAACCCACACATATTTATTGCCA 2557
Qy 1255 TTCAGGCTGTTCATAGGTCGATCTGAAATCAGAAATATCCAAACATTGCAACGATATCTT 1314
Db 2558 TTAAGATATAGATAAAGCAATTTGACATCAAAAGTATCCAACTTGCAAGTAACTT 2617
Qy 1315 TGTATTATCTCCACAGACTCCGCCAGAGACACCTAGTCTCTGATGAAACGTCGTCTCTT 1374
Db 2618 TGTATTATCTCCCAAGCAATCTGATGACATGATGATCTACTCTACTCTCTACTCTC 2677
Qy 1375 GTCCTAATATTCATA 1389
Db 2678 CTGATAAAAGTCATA 2692

RESULT 10

US-09-016-434-928

; Sequence 928, Application US/09016434

; Patent No. 6500938

; GENERAL INFORMATION:

; APPLICANT: Janice Au-Young

; APPLICANT: Jeffrey J. Seilhamer

; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING

; TITLE OF INVENTION: PATHWAY GENE EXPRESSION

; NUMBER OF SEQUENCES: 1490

; CORRESPONDENCE ADDRESS:

; ADDRESS: INCYTE PHARMACEUTICALS, INC.

; STREET: 3174 PORTER DRIVE

; CITY: PALO ALTO

; STATE: CALIFORNIA

; COUNTRY: USA

; ZIP: 94304

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/016,434

; FILING DATE: HEREWITH

; CLASSIFICATION:

; PRIOR APPLICATION DATA:

; FILING DATE:

; CLASSIFICATION:

; ATTORNEY/AGENT INFORMATION:

; NAME: Zeller, Karen J.

; REGISTRATION NUMBER: 37,071

; REFERENCE/DOCKET NUMBER: PA-0002 US

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (650) 855-0555

; TELEFAX: (650) 845-4166

; INFORMATION FOR SEQ ID NO: 928:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 1081 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; IMMEDIATE SOURCE:

; LIBRARY: COLNNOT05

; CLONE: 774419

US-09-016-434-928

Query Match

Best Local Similarity 26.2%; Score 441.4; DB 4; Length 1081;

Matches 633; Conservative 0; Mismatches 276; Indels 6; Gaps 2;

Qy 475 CCAATGCTACCTGCTCCCAATTACAGTGTCTCCAAACGAAACCAAGGACACAGCAAT 534

RESULT 11

US-09-049-698-17

; Sequence 17, Application US/09049698

; Patent No. 6368792

; GENERAL INFORMATION:

; APPLICANT: BILLING-MEDEL, PATRICIA A.

; APPLICANT: COHEN, MAURICE

; APPLICANT: COLPITTS, TRACEY L.

; APPLICANT: FRIEDMAN, PAULA N.

```

; APPLICANT: HAYDEN, MARK
; APPLICANT: KLASS, MICHAEL R.
; APPLICANT: ROBERTS-RAPP, LISA
; APPLICANT: RUSSELL, JOHN C.
; APPLICANT: STROUPE, STEPHEN D.
; TITLE OF INVENTION: REAGENTS AND METHODS FOR THE
; TITLE OF INVENTION: USEFUL FOR DETECTING DISEASES OF THE GASTROINTESTINAL
; TITLE OF INVENTION: TRACT
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Abbott Laboratories
; STREET: 100 Abbott Park Road
; CITY: Abbott Park
; STATE: IL
; COUNTRY: USA
; ZIP: 60064-3500
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/049,698
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/828,856
; FILING DATE: 31-MAR-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Becker, Cheryl L.
; REGISTRATION NUMBER: 35,441
; REFERENCE/DOCKET NUMBER: 6068.US.P1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 847/935-1729
; TELEFAX: 847/938-2623
; TELEX:
; INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1399 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
;
; US-09-049-698-17
;
; Query Match 26.2%; Score 441.4; DB 4; Length 1399;
; Best Local Similarity 69.2%; Pred. No. 2.2e-128;
; Matches 633; Conservative 0; Mismatches 276; Indels 6; Gaps 2;
;
; QY 475 CCAATGCTACCCCTGCCTCCAATTACAGTGACTTCCAAACAGCAAGGACACGACAAAT 534
; DB 2 CAAATTTCTCTGTGCTCCCAATCACAGTGAATGCTAAATGAATAAGGACGTAACACAGTT 61
; QY 535 TCCCGAGCCCTCTGGTAGTTTATGCAAAATATTCGCCAAGAGAGGCTCCCAATTTCTACGG 594
; DB 62 TCCCGAGCCCAATGATTTTACGCAAAATTTACAAGGATATGTACCTGTTCTTTGGAG 121
; QY 595 CCAGTGTACAGCCCTGATTGAATCAGTGAATCGMAAAACAGTTACTCTTGGAACTACTCG 654
; DB 122 CCAATGTGACTGTTTCATTGAATCAAGAAATGCAATGGAATGCAATGGAATTTTGG 181
; QY 655 ATAATGAGCAGGTGCTGATGCTACTAAGGATGACGGTGTCTACTCAAGGTAATTTTCA 714
; DB 182 ATAATGTCAGCGCTGATTTCTTTCAAGAATGATGGAGTCTACTCCAGGTAATTTTAC 241
; QY 715 CTTATGACAGAAATGGTAGATACAGTGTAAGTGGCGGCTCTGGGAGGAGTGTAAACG 774
; DB 242 CATATACAGAAAATGGCAGATATAGCTTAAAGTTTCGGGCTCATGGAGGAGCAACAC 301
; QY 775 CCAGCGGAGAGTGATACCCCGAGAGTGGAGCACTGTATACATACCTGGCTGGATTGAGA 834
; DB 302 CCAGGCTAAAAATACGGCTCTCACTGAATAGACCGCGTACATACACGCTGGTAGTGA 361
; QY 835 ATGATGAAATACAAATGGAATCCACAGAGACCTGAAATTAATAAGGATGATGTTCAACA 894

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Db 1411 AGACATTGTCAAAATATGACAGGAGGATATC-----GTTTTTTTGGCAATTAAGACATAA 1464
QY 121 ATGGCTCATTCATGCTTTTGGGGCCCTTTTCATCAGGAATGGAGCTCTCTCAGCGCT 180
Db 1465 CTGGCTTACTAATGCTTTTCAGTAGAATTTTCATCTAGAGTGGAGCATCTCAGCAGG 1524
QY 181 CCATCCAGCTTCAGAGTAGGAGTAATACCTCCAGAACAGCCAGTGGATGAATGCGACAG 240
Db 1525 CTAATTCAGTTGGAAAGCAAGCTTGAAATATACAGGAAGGAAGAGTAACAGGCAAG 1584
QY 241 TGATCGTGACAGCACCCTGGGAAAGGACATTTGTTCTTATCACTCGGACAGCGCAGC 300
Db 1585 TGCCTGTAGACAGTACAGTTGGAATGACATCTTTCTTTGTTGTCATGCAATACACAA 1644
QY 301 CTCCTCCAAATCTCTCTGGGATCCAGTGGACAGAGCA-----AGTGGCTTTG 351
Db 1645 AACCAAGAAATGTTCTCCAAGATCCAAAGGAAGAAATATAAAACCTCGGATTTCAAAG 1704
QY 352 TAGTGGCAAAACACCAAAATGGCTACCTCCAAATCCAGGCATTTGTAAGTTGGCA 411
Db 1705 AAGATAAGTTAATATTCGATCTGCTGCTGCTGCAATACCTGGTATTCAGAGACAGGTA 1764
QY 412 CTTGGAATACAGTCTGC-----AAGCAAGCTCACAAACCTTGACCCCTGACTGTCA 462
Db 1765 CTTGGACTTACAGCCTTCTAAATATCATGCGAGCTCTCAAATGCTAACAGTGACAGTGA 1824
QY 463 CTTCCGGTGGTCCAAATGCTACCTGCTCCCAATACAGTGACTTCCAAAGCAAGG 522
Db 1825 CCACTCGAGCAAGAGTCTCTATATACCCCGAGTAATTGCAACAGCTCACATGAGTCAAC 1884
QY 523 ACACGAGCAAAATTCCTCCAGCCTCTGGTAGTTTATGCAAAATATTCGCAAGGAGCTCCC 582
Db 1895 ATACAGACATATCTTAGCCCAATGATTTGTTATGCAAGTCACTCAAGGTTTTTGC 1944
QY 583 CAATTTCTCAGGCCAGTGTACAGCCTGTAATGAATAGTGAATGGAATAAGTCACTCA 642
Db 1945 CTGTACTGGAAATCAGTGTAAATAGCCATATATAGAAACCGAAGATGCAATCAAGTAA 2004
QY 643 TGGAACTACTGATTAATGGAGCAGGTGCTGATGCTTACTTAAGATCAAGGTCTACTCAA 702
Db 2005 TGGAGCTCTGGGACAAATGGTGCAGTCTGATGCTCTCAAGAAATGATGGCATCTACT 2064
QY 703 GGTATTTCACTTATGACACAGATGGTAGATACAGTGTAAAGTGGGGCTCTGGGAG 762
Db 2065 GATCTTTACAGATTACTATGGAATGGTAGATACAGTTTAAAGTACATGACAGGCA 2124
QY 763 GAGTTAAGCAGCAGAGAGAGTATACCCAGCAGAGTGGAGCATGTATACATCCTG 822
Db 2125 GAAACACACAGGCTAGGCTTAAATTTAAGACAAACCAAGGTTCTATATGTTCCAG 2184
QY 823 GCTGGATTGAGAAATGATGAAATACATGGAATCCAGCAGACCTGAAATTAAGGATG 882
Db 2185 GCTACGTTGAAACCGGTAAATTTATCTGTAACCCACCCAGACCTGAAATCAAGATGACC 2244
QY 883 ATGTTTCAACACAGCAAGTGTGTTTCAGCAGAACATCTCTGGGAGGCTCATTTGGGCTT 942
Db 2245 TGGCAAAAGCTTAAATAGAGACTTTAGCAGACTAACCTCTGGAGGGTCAITTTCTGTAT 2304
QY 943 CTGATGTCCAAATGCTCCCA---TACCTGATCTCTTCCACCTGCGCCAAATCACCGACC 999
Db 2305 CAGGAGCTCTCTCTGTTAATACCTCTTCTGTGTTCCACCCAGTAAATTAACAGATC 2364
QY 1000 TGAAGCGGAAATTCAGCGGGGAGTCTCATTTAATCTGACTTGGACAGCTCTCTGGGATG 1059
Db 2365 TTGAGGCTTAAGTTCAAGAG---ATTATATTCAACTTTTCATGGACAGCCCTGGCAATG 2421
QY 1060 ATTATGACCATGGAACAGCTCAAGATATATCATTTGAAATAGTCAAGATATTTCTGATC 1119
Db 2422 TCCATAGATAAGGAAGAACCAACAGCTACATATTAAGATTAAGTAGGTTTCTAGGATC 2481
QY 1120 TCAGAGACAAGTTCAATGAATCTCTTTCAAGTGAATACTACTGCTCTCATPCCCAAGGAG 1179
Db 2482 GTCAAGAGAGATTTTGACAAATGCGACTTTTAGTGAATACTTCTAATCTAATACCTAAGGAG 2541

QY 1180 CCAACTCTGAGGAAGTCTTTTGTGTTTAAACCAAGAAACATTACTTTTGAATAATGGCACAG 1239
Db 2542 CCGATCAAAAGAAATTTTGAATTTAAGCCAGAACATTTTAGAGTAGAATAATGGCACCA 2601
QY 1240 ATCTTTTCATTGCTATTTCAGGCTGTGTATAAGTTCGATCTGAAATTCAGAAATATCCAA 1299
Db 2602 AATCTATATTTCAGTCCAGCCATCAACGAAGCAATCTCATCTCAGAGGTTTCTCACA 2661
QY 1300 TTGACAGGATATCTTTGTTTATTCTCTCCAC 1329
Db 2662 TTGTACAGCAATCAAAATTTTATTCTCTAC 2691

RESULT 13

US-09-193-562D-33

; Sequence 33, Application US/09193562D

; Patent No. 6309857

; GENERAL INFORMATION:

; APPLICANT: Pauli, Benedicht U.

; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium

; FILE OF INVENTION: Activated Chloride Channel-Adhesion Molecules

; FILE REFERENCE: 18617.0052

; CURRENT APPLICATION NUMBER: US/09/193.562D

; PRIOR FILING DATE: 1998-11-17

; PRIOR APPLICATION NUMBER: US/60/065.922

; PRIOR FILING DATE: 1997-11-17

; NUMBER OF SEQ ID NOS: 47

; SEQ ID NO 33

; LENGTH: 3022

; TYPE: DNA

; ORGANISM: Mus musculus

US-09-193-562D-33

Query Match 23.7%; Score 398.8; DB 4; Length 3022;

Best Local Similarity 59.4%; Pred. No. 9.3e-115;

Matches 796; Conservative 0; Mismatches 517; Indels 27; Gaps 6;

QY 6 AGTGGTGCATCATCCACAGTGCCTTTGGGGCCCTCTGCAGCTCAAGAACTAGAGGAG 65
Db 1308 AGCGGTGCCATCATCCACACCATCGCTCTGGGGCTTTCGCTGCCGAGAACTGGAGACT 1367
QY 66 CTGTCCAAAATGACAGGAGGTTTACAGACATATGCTTCAGATCAAGTTTCAGAACTAGTGC 125
Db 1368 CTGTGGACATGACAGGAGGCTTGGTTCTTATGCCAACAAAGACCT-----AAACAGC 1421
QY 126 CTCATTTGATGCTTTTGGGGCCCTTTTCATCAGAAATGAGAGTGTCTCTCAGCGTCCATC 185
Db 1422 CTTATCGATGCTTTTCAGTAGAATTTTCATCTACAAGTGGCAGCGTCTCCAGCAGGCTCTG 1481
QY 186 CAGCTTGAGAGTAAGGATTAACCTCCAGAACAGCCAGTGGATGAATGGCAGCAGTGATC 245
Db 1482 CAGTTGGAGAGCAAAAGCCCTCGATGTCTCAGACAGCGGGCATGGATAAACGGTACAGTACT 1541
QY 246 GTGGACAGCAGCGTGGGAAAGGACATTTTGTCTTATCAGCTGGACAAACAGCAGCCTCCC 305
Db 1542 CTGGACAGTACCGTGGCAAGCAGACAGTTCTTTGTATCACTGGATGGTAAAAAGGCA 1601
QY 306 CAAATCTCTCTGGGATCCAGTGGAGCAGAAAGCA-----AGTGGCTTTGTAGTG 356
Db 1602 GAAATCTTCTCAAGATCCAAAAGGAAAAAATATACAACTCAGATTTTCCAAGATGAT 1661
QY 357 GACAAAACACAAAATGGCCCTACTCCAAATCCAGGCAATGCTAAGGTTGGCACTTGG 416
Db 1662 AAACCTAAACATCCCGTCTGCTAGACTTCCAAATACCGGCACTGACAGACAGAGTACTTGG 1721
QY 417 AAATACAG---TCTGCAAGCAAGCTCACAACCTTGACCTGTGCTCAGCTCCCGTGGC 473
Db 1722 ACTTACAGTACACGGGTACCAAGTCTCAGTTGATTACATGACAGTCACTCCAGCA 1781
QY 474 TCCAAATGCTACCTGCTCCCAATTTACAGTGTACTTCCAAAACGAAACAGGACACCAAGGAAA 533
Db 1782 AGAAGTCCCACTGGAACCACTCTCTGGGCTACTGCTACATGAGTCAAGAGCAGACGCCAG 1841

Qy	534	TTCCCGAGCCCTCTGGTAGTTTATGCAAAATATTGCCCAAGGAGCCTCCCAATTCTCAGG	593
Db	1842	TACCTTAGCCGGATGATTGTGTACGCACGGGTACGCCAAGGATTTTTCCTGTTCTGGGA	1901
Qy	594	GCCAGTGTCAACAGCCCTGATTGAATCAGTCAATGGAAAAACAGTTACTCTGGAACTACTG	653
Db	1902	GCCAAATGTACAGCCCTCATAGAAGCTGAACATGGACATCAAGTCACTTGGAGCTCTGG	1961
Qy	654	GATAATGGACAGGTGCTGATGCTACTAAGGATGA CGGTGCTACTCAAGGTATTTTCA	713
Db	1962	GACAATGGGCGAGGTGCTGATATCGTTTAAAAATGATGGCATCTACA CAAGATACTTTACA	2021
Qy	714	ACTTATGACACGAATGCTAGATACAGTGTAAAAAGTGGGGCTCTGGGAGGAGTTTAA	773
Db	2022	GATTATCATGGAAATGCTAGATACAGCTTAAAGTGGTGTCCAGGCACAAAGAAACAA	2081
Qy	774	GCCAGACGGAGATGATACCCAGCAGAGTGGAGCACTGTATACATACCTGCTGGATTGAG	833
Db	2082	ACCAGACTGAGCTTAAAGA --- CAGAAAGACAAAGTCTTTATATATACCTGCTATGTGAA	2138
Qy	834	AATGATTGAATACAATGGGAATCCACCAGACCTTGAAATTAATAGGATGATGTTCAACAC	893
Db	2139	AATGGTAAATTTGTA CTGAATCCACCAGACCAAGATGTC CAGAAAGCCATAGAACT	2198
Qy	894	AAGCAAGTGTGTTTCAGCAGAACATCTCTGGGAGGCTCATT --- TGTGGCTTCTGATGC	950
Db	2199	ACAGTGAAGACTTCAACAGAGTAAACCTCTGGAGGGTCGTTACTGTGCTGGAGCGCC	2258
Qy	951	CCAAATGCTCCCATACCTGATCTCTCCACCTGGCCAAATCAACGACCTGAAGGCGGA	1010
Db	2259	CCTGATGGCGACCACGCTCGTGTGTTTCCCAACCAAGTAAAGTCACAGACCTTGGAGGCTGAG	2318
Qy	1011	ATTCA CGGGGGCAGTCTCATTAATCTGACTTGGACAGCTCTCTGGGATGATTAATGACCAT	1070
Db	2319	TTTATAGTG ---ATTATATTACCTTACATGAGCGGCCCTCGCAAGTTCTCGACAAT	2375
Qy	1071	GGAACTGCTCACAAGTATATCATTCGAATGAAGTACAGTATCTTGATCTCAGAGACAAG	1130
Db	2376	GGAAGACACATAGATACATCATCAGAATGAGCGCATCCTCTGGATCTCCCAAGAGAT	2435
Qy	1131	TTCAATGAATCTCTTCAAGTGAATACTACTGTCTCTCATCCAAAGGAAGCAACTCTGAG	1190
Db	2436	TTTAAACAATGCTACTTTTAGTGAATGCTTCCAGTCTGATACCTAAGAGAGCTGGCTCAAAA	2495
Qy	1191	GAAGTCTTTTTTTTAAAC CAGAAAAACATTA CTTTTGAAAAATGGCA CAGATCTTTTCATT	1250
Db	2496	GAAGCATTTTAAATTCRAAAC CAGAAACTTTTAAAAATAGCAATGGCATCCAGCTCTACATT	2555
Qy	1251	GCTATTCCAGGCTGTTTGATAAGGTGATCTGAAATTCAGAAATATCCAACTTGCACGAGTA	1310
Db	2556	GCAATCCAGCAGACAAATGAAGCAGTCTCACCTCTGAGGTCTTCCAACTGCACAGGCT	2615
Qy	1311	TC TTGTTTATTCCTCCACA	1330
Db	2616	GTCAAGCTTACTTCTCTAGA	2635

RESIT.T 14

2183	TACCGCGCTATGCTGAAAAATGGAAAAATATATCTGAAACCCATCAAAACCTGAAGTCAAG	2242
877	AGGATGATGTTCAACACAAAGCAAGTGTGTTTTACGACAGAACATCTCCGGAGGGCTCATTTG	936
2243	ATGATGTGAAGGAGCTCAAAACAGACAGACTTCAGACAGACTCACCTCTGGAGGGTCGTTTA	2302
937	TGGCTTCTGATGT---CCCAAAATGCTCCCATPACTGATCTCTCCCACTGGGCCAAATCA	993
2303	CTGTATCAGGAGTGCCTCTAATGGTAATCAATCTCAGGTGTTCTCACCTGGTAAAAATTG	2362
994	CGACCTGAAGCGGAAAATTCACGGGGGCGAGTCTCATTAATCTGACTTTGACACAGCTCCTG	1053
2363	TAGACCTCGAGGCTAAGTTTCAAGGAG---ATCATATTTCAACTTTTCAGACTGCCCTCTG	2419

QY 1054 GGGATGATTATGACCATGGAAAGCTCACAAGTATATATCAATTCGAATAAGTACAAGTATTC 1113
Db 2420 GCAAGGTCTCTGATTAAGGAAGAGCTGAGAGCTACATTTAAGAAATAGAAATTAACATTTC 2479
QY 1114 TTGATCTCAGAGACAAAGTTCAATGAATCTCTCAAGTGAATCTACTGCTCTCATCCCA 1173
Db 2480 TGGACCTCCAGAAAGATTTTGATAAAGCTGCTTTAATAAATACTTCTGCTCTGATACCTA 2539
QY 1174 AGGAAGCCAACTCTGAGGAGTCTTTTGTGTTAAACCCAGAAACATTAATCTTTGAAATG 1233
Db 2540 AGGAGCTGTTTCAAGAGAGTTTGAATTTAAACCCAGAACTCTTAAATAGAGAATG 2599
QY 1234 GCACAGATCTTTTCAATGCTATTCAGGCTGTTGATAAGTCTGAAATCGAATCAGAAATAT 1293
Db 2600 GTACGACATCTATATGCAATTCAGCCATCCATGAAGCAATGTCACCTCAGAGGTTT 2659
QY 1294 CCAACATTGACAGAGTATCTTTGTTTAAATTCCTCCACAGACTCC 1336
Db 2660 CAAACATTGCAAGCAACTAACTTTATTCCTCCACAGGAACC 2702

RESULT 15
US-09-643-597-168
; Sequence 168, Application US/09643597
; Patent No. 6426072
; GENERAL INFORMATION:
; APPLICANT: Wang, Tonglong
; APPLICANT: Fan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy
; APPLICANT: Fanger, Gary R.
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Henderson, Robert A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.455C11
; CURRENT APPLICATION NUMBER: US/09/643,597
; CURRENT FILING DATE: 2000-08-21
; NUMBER OF SEQ ID NOS: 369
; SOFTWARE: RastSEQ for Windows Version 3.0
; SEQ ID NO 168
; LENGTH: 2784
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-643-597-168

Query Match 18.1%; Score 304; DB 4; Length 2784;
Best Local Similarity 55.8%; Pred. No. 6e-85;
Matches 695; Conservative 0; Mismatches 525; Indels 26; Gaps 5;

QY 6 AGTGTCATCATCATCCACAGCTCGCTTTGGGGCCCTCTGACGCTCAAGAACTAGAGGAG 65
Db 1382 AGTGTTCAACAATTCATCTCCATTCCTGCTGGGTTTATCTGAGCCCAATCTGGAGNA 1441
QY 66 CTGTCCAAAATGACAGGAGTTTACAGACATATGCTTCAGATCAAGTTTCAGAAACAATGGC 125
Db 1442 TTATCAGCTCTTACAGGAGTTTAAAGTCTTTGTTTCAGATATATCAAACTCCAATAGC 1501
QY 126 CTCATTGATGCTTTTGGGGCCCTTTTCATCAGAAATGGAGTGTCTCTCAGGCTCCATC 185
Db 1502 ATGATTGATGCTTTTCAAGTAAATTTCCCTCTGAACTGGAGACAATTTCCAGCAACATATT 1561
QY 186 CAGCTTTGAGAGTAAGGATTAACCTCCAGAAACAGCAGCTGGATGAATGGCAGAGTGATC 245
Db 1562 CAGCTTGAAGTACAGTGCAAAATGTCAAACTCACCATCAATTGAAACACAGTGACT 1621
QY 246 GTGGACAGCAGCGTGGGAAAGACACTTTGTTTCTTATCACCTG---GACAAACGAGCT 302
Db 1622 GTGGATAATACCTGTGGGCAACGACACTATGTTTCTAGTTACGTGGCAGGCCAGTGGTCT 1681

QY 303 CCCAAAATCTTCTCTGGGATCCCAAGTGGACAGAGCA-----AGGTGGCTTTCTAGTG 356
Db 1682 CTGAGATTATATTTATTTGATCTCTGATGAGCGAAATACTACACAAATATTTTATCACC 1741
QY 357 GACAAAAACACAAATAAGGCTTACCTCCAAATCCAGGCAATGCTTAAAGTTGGCACTGG 416
Db 1742 AATCTAACTTTTCGACAGCTAGTCTTTTGGATTTCAGGAAACAGCTTAAAGCTGGGCACTGG 1801
QY 417 AAATACAGTCTGCAAGCAAGCTCA-----CNAACCTTGACCTGACTGCTCAGCTCC 467
Db 1802 ACTTACACCCCTGAAACAATACCCTCATTTCTCTGCAAGCCCTGAAAGTGACAGTGACCTCT 1861
QY 468 CTGCGTCCAATGCTTACCTGCTCCAAATTCAGTGACTTCCAAAACGAAACAGGACACCC 527
Db 1862 CGCGCTCCAATCAGCTGCTGCCCCCAGCCACTGTGGAAAGCTTTGTGGAAAGACAGCAG 1921
QY 528 AGCAAAATCCCAAGCCCTCTGCTAGTTTATGCAATATTCGCCAAGAGCCCTCCCAAT 587
Db 1922 CTCCAATTTCTCTCATCTCTGATGATGATTTATGCAATGTGAAACAGGGATTTTATCCCAT 1981
QY 588 CTCAGGCCAGTGTACAGCCCTGATTTCAATCAGTGAATGGAAAAACAGTTACCTTGGAA 647
Db 1982 CTTAATGCCACTGTCACTGCCCACAGTTTGAGCCAGAGACTGGAGATCCTGTATTACGCTGAG 2041
QY 648 CTACTGGATAATGAGCAGAGGTGCTGATGCTACTAAGGATGACGGTGTCTACTCAAGGTAT 707
Db 2042 CTCCTGATGATGAGCAGAGGTGCTGATGTTTATAAAATGATGNAATTTACTTCGAGGTAT 2101
QY 708 TTCACAACTTATGACACGAATGGTAGATACAGTGTAAAGTTCGGGGCTCTGGGAGGAGTT 767
Db 2102 TTTTCTCTTTGCTGCAATATGTTAGTTAGTTTGAAGTGCATGTCAATCACTCTCC 2161
QY 768 AACGACGACAGCAGGAGTATACCCAGCAGAGTGGAGCACTGTATACCTCTGGCTGG 827
Db 2162 AGCATAAAGCACCCCGCCACTCTATTTCAGGAGTCTATGCTATGTTATGACAGGTTAC 2221
QY 828 ATTGAGATGATGAATACAAATGAATCCACCAAGCTGAGAAATTAATAAGGATGATGTT 887
Db 2222 ACAGCAACGGTATATTTACAGATGATGCTCAAGGAATCAGTAGGCAAGAAATGAGGAG 2281
QY 888 CAACAAAGCAAGTGTGTTTTCAGCAGAAACATCTCGGAGGCTCAATTTGTGGCTTCTGAT 947
Db 2282 GAGCGAAAG---TGGGGCTTTAGCCGAGTCAAGTCAAGGAGCTCCTTTTCAGTGTGGGA 2338
QY 948 GTCCCAATGCTCCCATACCTGATCTTTCCCACTGGCCCAATCACCGACCTGAAGGG 1007
Db 2339 GTTCCAGCTGGCCCCCACCCTGATGTTTCCACCATGCAAAATTAATTTGACCTGGAAAGCT 2398
QY 1008 GAAATTCACGGGGCAGTCTCATTAATCTGACTTGGACAGCTCCTGGGGATGATTATGAC 1067
Db 2399 GTAATAGAAAGGAA-----TTGACCTATCTTGGACAGCACCTGGAGAGACTTTGAT 2453
QY 1068 CATGGAACAGCTCAAGTATATCATTCGAATAAGTACAAGTATTTTGTGATCTCAGAGAC 1127
Db 2454 CAGGCCAGGCTACAAAGCTATGAATAAGATGAGTAAAGTCTACAGAAATATCAAGAT 2513
QY 1128 AAGTTCAATGATCTCTTCAAGTGAATCTACTGCTCTCATCCCAAGAGGCCAATCTCT 1187
Db 2514 GACTTTTAAATGCTATTTTATGATAATACATCAAGCGAAATCCTCAGCAAGCTGGCATC 2573
QY 1188 GAGGAAGTCTTTTGTGTTTAAACCCAGAAAAACATTAATCTTTTGAATG 1233
Db 2574 AGGAGATATTTTACGTTCTCACCCCAATTTCCACGAATGGACCTG 2619

Search completed: April 24, 2004, 05:01:23
Job time : 156.702 secs

GenCore version 5.1.6
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OM nucleic - protein search, using frame_plus_n2p model

Run on: April 21, 2004, 16:13:49 ; Search time 71.3345 Seconds
(without alignments)
13045.792 Million cell updates/sec

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Perfect score: 3040
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Ygapop 10.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
Delopt 6.0 , Delext 7.0

Searched: 1133595 seqs, 276475211 residues

Total number of hits satisfying chosen parameters: 2267190

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Command line parameters:

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-FGAPOP=6 -FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database : Published Applications AA:

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- 2: /cgn2_6/prodata/2/pubaa/PCT_NEW_PUB.pep.*
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- 18: /cgn2_6/prodata/2/pubaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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Result Query
No. Score Match Length DB ID Description

1	2521	82.9	869	14	US-10-106-698-6388	Sequence 6388, Ap
2	2521	82.9	914	9	US-09-823-356-8	Sequence 8, Appl1
3	2521	82.9	914	9	US-09-922-217-1066	Sequence 1066, Ap
4	2521	82.9	914	9	US-09-833-263-1066	Sequence 1066, Ap
5	2521	82.9	914	9	US-09-981-353-192	Sequence 192, App
6	2521	82.9	914	11	US-09-833-245-2054	Sequence 2054, Ap
7	2521	82.9	914	13	US-10-025-380-1066	Sequence 1066, Ap
8	2521	82.9	914	14	US-10-270-595-6	Sequence 6, Appl1
9	2521	82.9	914	14	US-10-235-994-26	Sequence 26, Appl1
10	2521	82.9	914	14	US-10-060-255-42	Sequence 42, Appl1
11	2521	82.9	925	9	US-09-764-868-635	Sequence 635, App
12	2521	82.9	925	14	US-10-106-698-6248	Sequence 6248, Ap
13	2518	82.8	914	14	US-10-055-4128-28	Sequence 28, Appl1
14	2516	82.7	914	15	US-10-369-214-133	Sequence 133, App
15	2515	82.7	552	14	US-10-106-698-4628	Sequence 4628, Ap
16	1906	62.7	913	15	US-10-270-595-2	Sequence 2, Appl1
17	1906	62.7	913	15	US-10-369-214-132	Sequence 132, App
18	1482	48.8	919	9	US-09-989-723-379	Sequence 379, App
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43	1482	48.8	919	10	US-09-989-734-379	Sequence 379, App
44	1482	48.8	919	10	US-09-989-734-379	Sequence 379, App
45	1482	48.8	919	10	US-09-989-734-379	Sequence 379, App

ALIGNMENTS

RESULT 1

US-10-106-698-6388
; Sequence 6388, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptides
; FILE REFERENCE: PA005P1
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ IDS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 6388
; LENGTH: 869
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: MISC_FEATURE

! LOCATION: (14)
! OTHER INFORMATION: xaa equals any of the naturally occurring L-amino acids
US-10-106-698-6388

Alignment Scores:

Pred. No.: 3, 12e-218 Length: 869
Score: 2521.00 Matches: 488
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 82.93% Indels: 0
DB: 14 Gaps: 0

US-09-049-696-19 (1-1683) x US-10-106-698-6388 (1-869)

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Db 402 GluLeuSerLysMetThrGlyGlyLeuGlnThrTyrAlaSerAspGlnValGlnAsnAsn 421
QY 123 GGCCTCATTGATGCTTTTGGGGCCCTTTTCATCAGGAATGGAGCTGTCTCTCAGCGCTCC 182
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QY 183 ATCCAGCTTGAGATGAAGGATTAACCTCCAGACAGCCAGTCGATGATGAATGGCACAGTG 242
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QY 243 ATCGTGGACAGCACCGTGGGAAAGACACTTTGTTTCTTATCACCCTGGACACGCGCT 302
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RESULT 2

US-09-823-356-8
; Sequence 8, Application US/09823356
; Patent No. US20010025098A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Bandman, Olga
; APPLICANT: Lal, Preeti
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Yue, Henry
; APPLICANT: Corley, Neil C.
; APPLICANT: Guegler, Karl J.
; APPLICANT: Kaser, Matthew R.
; APPLICANT: Baughn, Mariah R.
; APPLICANT: Shah, Purvi
; TITLE OF INVENTION: HUMAN MEMBRANE SPANNING PROTEINS
; FILE REFERENCE: PF-0489-1 CON
; CURRENT APPLICATION NUMBER: US/09/823,356
; CURRENT FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/039,307
; PRIOR FILING DATE: 1998 March 13
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PERL Program
; SEQ ID NO 8
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No. US20010025098A1 1737775
US-09-823-356-8

Alignment Scores:

Pred. No.: 3,18e-218 Length: 914
 Score: 2521.00 Matches: 488
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 82.93% Indels: 0
 DB: 9 Gaps: 0

US-09-049-696-19 (1-1683) x US-09-823-356-8 (1-914)

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QY 483 ACCCTGCTCCATTAACAGTGACTTCCAAAACCAAGACACCAAGCAAAATCCCCAGC 542
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QY 543 CTTCTGTTAGTTATGCAATATTCGCCAAGAGCGCTCCCAATCTCAGGCGCAGTGC 602
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QY 663 GCAGGTGCTGCTACTAAGATGACGGTGTCTACTCAAGGTATTTTCAAACTTATGAC 722
Db 647 AlaGlyAlaAspAlaThrLysaspaspGlyValTyrSerArgTyrPheThrThrTyrAsp 666
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Db 687 ArgValIleProGlnGlnSerGlyAlaLeuTyrIleProGlyTrpIleGluAsnAspGlu 706
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Db 727 CysPheSerArgThrSerGlyGlySerPheValAlaSerAspValProAsnAlaPro 746

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QY 1143 CTTCAAGTGAATPACTCTCTCATCCCAAAGGAGCAACTCTCAGGAAGTCTTTTGTG 1202
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RESULT 3

US-09-922-217-1066
 ; Sequence 1066, Application US/09922217
 ; Patent No. US20020076414A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Xu, Jiangchun
 ; APPLICANT: Lodes, Michael J.
 ; APPLICANT: Secrist, Heather
 ; APPLICANT: Benson, Davin R.
 ; APPLICANT: Meagher, Madeleine Joy
 ; APPLICANT: Stoik, John A.
 ; APPLICANT: Wang, Tongtong
 ; APPLICANT: Jiang, Yugu
 ; APPLICANT: Smith, Carole Lynn
 ; APPLICANT: King, Gordon E.
 ; APPLICANT: Wang, Aijun
 ; APPLICANT: Clapper, Jonathan D.
 ; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
 ; FILE OF INVENTION: OF COLON CANCER AND METHODS FOR THEIR USE
 ; FILE REFERENCE: 210121.471C13
 ; CURRENT APPLICATION NUMBER: US/09/922,217
 ; CURRENT FILING DATE: 2001-08-03
 ; NUMBER OF SEQ ID NOS: 1124
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 1066
 ; LENGTH: 914
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-922-217-1066

Alignment Scores:
 Pred. No.: 3,18e-218 Length: 914
 Score: 2521.00 Matches: 488
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 82.93% Indels: 0

DB: 9 Gaps: 0
US-09-049-696-19 (1-1683) x US-09-922-217-1066 (1-914)
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DB 427 GlnSerGlyAlaIleHisThrValAlaLeuGlyProSerAlaAlaGlnGluLeuGlu 446
QY 63 GAGCTGTCCAAATGACAGAGGTTTACAGACATATGCTTCAGATCAAGTTCAGAACAAAT 122
DB 447 GluLeuSerLysMetThrGlyGlyLeuGlnThrTyrAlaSerAspGlnValGlnAsnAsn 466
QY 123 GGCCTCATTCATGCTTTGGGGCCCTTTTCATCAGGAATGGAGCTCTCTCAGCGCTCC 182
DB 467 GlyLeuLeuAspAlaPheGlyAlaLeuSerSerGlyAsnGlyAlaValSerGlnArgSer 486
QY 183 ATCCAGCTTGAGATGAAGGATTAACCTCCAGAACAGCCAGTCAGTGGATGGACAGTG 242
DB 487 IleGlnLeuGluSerLysGlyLeuThrLeuGlnAsnSerGlnTrpMetAsnGlyThrVal 506
QY 243 ATCCGTGGACAGCAGCTGGGAAGGACACTTTGTTTCTTATCACCTGGACACGCGCT 302
DB 507 IleValAspSerThrValGlyLysAspThrLeuPheLeuIleThrTrpThrGlnPro 526
QY 303 CCCCAATCTCTCTGGGATCCAGTGACAGAACAGAGCTGGCTTTGTAGTGACAAA 362
DB 527 ProGlnIleLeuLeuTrpAspProSerGlyGlnLysGlnGlyPheValValAspLys 546
QY 363 AACACAAAATGGCTTACTCCAAATCCAGGATGCTTAAGTGGCACTTGGAAATAC 422
DB 547 AsnThrLysMetAlaThrLeuGlnIleProGlyIleAlaLysValGlyThrTrpLysTyr 566
QY 423 ACTCTGCAAGCAGCTCACAACTTGACCTGACCTGCTGCTGCTGCTGCTGCTGCTGCT 482
DB 567 SerLeuGlnAlaSerSerGlnThrLeuThrLeuThrValThrSerArgAlaSerAsnAla 586
QY 483 ACCCTGCTCCAAATACAGTGTCTCCAAAACGAAACAGACACAGCAAAATCCCCAGC 542
DB 587 ThrLeuProProIleThrValThrSerLysThrAsnLysAspThrSerLysPheProSer 606
QY 543 CTTCTGTAGTTATGCAAAATATTCGCCAAGAGGCTCCCAATCTCAGGCGCCAGTGTC 602
DB 607 ProLeuValValTyrAlaAlaSerLysGlnGlyAlaSerProIleLeuArgAlaSerVal 626
QY 603 ACAGCCCTGATTCAGTGTGATGAAACAGTACCTCGAATCTGGAATCTGATATGA 662
DB 627 ThrAlaLeuLeuGluSerValAsnGlyLysThrValThrLeuGluLeuAspAsnGly 646
QY 663 GCAGGTGCTGTACTAAGGATGACGCTGTCTACTCAAGGTATTTCAAACTTTATGAC 722
DB 647 AlaGlyAlaAspAlaThrLysAspAspGlyValTyrSerArgTyrPheThrThrTyrAsp 666
QY 723 ACGAATGTPAGATACAGTGTAAAGTGGGGCTCTGGGAGGAGTTAACCCAGCCAGCGG 782
DB 667 ThrAsnGlyArgTyrSerValLysValArgAlaLeuGlyGlyValAsnAlaAlaArgArg 686
QY 783 AGAGTGATACCCACAGAGTGAGCAGCTGTACATACCTGGCTGGATTCAGATGATGAA 842
DB 687 ArgValIleProGlnGlnSerGlyAlaLeuTyrIleProGlyTrpIleGluAsnAspGlu 706
QY 843 ATACAATGGAATCCACCAAGCTGAAATTAATTAAGGATGATGTTCAACACAAAGCAAGT 902
DB 707 IleGlnTrpAsnProProArgProGlnIleAsnLysAspAspValGlnHisLysGlnVal 726
QY 903 TGTTCAGCAGAACATCTCTGGGAGGCTCATTTGTGGCTTCTGTATGTCCTCCAAATGCTCCC 962
DB 727 CysPheSerArgThrSerSerGlyGlySerPheValAlaSerAspValProAsnAlaPro 746
QY 963 ATACCTGATCTCTCCACCTGGCCAAATCACCCAGCTGAAGCGGGAATTCACGGGGGC 1022
DB 747 IleProAspLeuPheProProGlyGlnIleThrAspLeuLysAlaGluIleHisGlyGly 766
QY 1023 AGTCTCATTAATCTGACTTGGACAGCTCCTGGGGATGATTATGACCATGGAACAGCTCAC 1082

DB 767 SerLeuIleAsnLeuThrTrpThrAlaProGlyAspTyrAspHisGlyThrAlaHis 786
QY 1083 AAGTATATCATTCGAATAAGTACAGTATCTTGTGATCTCAGACACAAGTTCATCAATCT 1142
DB 787 LysTyrIleIleAlaGileSerThrSerIleLeuAspLeuArgAspLysPheAsnGluSer 806
QY 1143 CTTCAAGTGAATATCTACTGCTCTCATCCCAAGGAAGCAACTCTGAGGAAGCTTTTGTG 1202
DB 807 LeuGlnValAsnThrThrAlaLeuIleProLysGluAlaAsnSerGluGluValPheLeu 826
QY 1203 TTTAAACAGAAAACATTACTTTTGAATAATGGCAGACATCTTTTCATTGCTATTGAGCT 1262
DB 827 PheLysProGluAsnIleThrPheGluAsnGlyThrAspLeuPheIleAlaIleGlnAla 846
QY 1263 GTTGATAGGTCGATCTCGAATATCGAATATCCACATTCGACGAGTATCTTGTGTTATT 1322
DB 847 ValAspLysValAspLeuLysSerGluIleSerAsnIleAlaArgValSerLeuPheIle 866
QY 1323 CTTCCACAGACTCCGCCAGACACACTAGTCTGATGAAACGCTGCTCTTGTCTTAAT 1382
DB 867 ProProGlnThrProProGluThrProSerProAspGluThrSerAlaProCysProAsn 886
QY 1383 ATTCATATCAACAGACACCATCTCTGGCATTACATTTTAAAAATTTATGTGAAGTGGATA 1442
DB 887 IleHisIleAsnSerThrIleProGlyIleHisIleLeuLysIleMetTrpLysTrpIle 906
QY 1443 GGAGAACTGCAGCTGTCAATAGCC 1466
DB 907 GlyGluLeuGlnLeuSerIleAla 914
RESULT 4
US-09-833-263-1066
; Sequence 1066, Application US/09833263
; Patent No. US20020110547A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; APPLICANT: Stoik, John A.
; APPLICANT: Mesgher, Madeleine J.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF COLON CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.471C12
; CURRENT APPLICATION NUMBER: US/09/833,263
; CURRENT FILING DATE: 2001-04-10
; NUMBER OF SEQ ID NOS: 1093
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1066
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-833-263-1066
Alignment Scores:
Pred. No.: 3,18e-218 Length: 914
Score: 2521.00 Matches: 488
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 82.93% Indels: 0
DB: 9 Gaps: 0
US-09-049-696-19 (1-1683) x US-09-833-263-1066 (1-914)
QY 3 CAAAGTGTGTCATCATCCACAGTGCCTTTGGGGCCCTCTGCAGCTCAAGAACTAGAG 62
DB 427 GlnSerGlyAlaIleHisThrValAlaLeuGlyProSerAlaAlaGlnGluLeuGlu 446
QY 63 GAGCTGTCCAAATGACAGAGGTTTACAGACATATGCTTCAGATCAAGTTCAGAACAAAT 122
DB 447 GluLeuSerLysMetThrGlyGlyLeuGlnThrTyrAlaSerAspGlnValGlnAsnAsn 466
QY 123 GGCCTCATTCATGCTTTGGGGCCCTTTTCATCAGGAATGGAGCTCTCTCAGCGCTCC 182

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Db 467 GlyLeuIleAspAlaPheGlyAlaLeuSerSerGlyAsnGlyAlaValSerGlnArgSer 486
QY 183 ATCCAGCTTGAGTAAGGATTAAACCTCCAGAACAGCCAGTCAGTGAATGGCACAGTG 242
Db 487 IleGlnLeuGluSerIleGlyLeuThrLeuGlnAsnSerGlnTrpMetAsnGlyThrVal 506
QY 243 ATCTGGGACAGACCGTGGGAAAGACACTTTGTTCTTATCACCCTGGACAAACGCGCT 302
Db 507 IleValAspSerThrValGlyAspThrLeuPheLeuIleThrTrpThrGlnPro 526
QY 303 CCCCAAACTCTCTCTGGGATCCAGTGACAGACAGAGGCTGCTTCTAGTGACAAA 362
Db 527 ProGlnIleLeuLeuTrpAspProSerGlyGlnLysGlnGlyGlyPheValValAspLys 546
QY 363 AACACAAAATGGCTTACCTCCAAATCCAGGCAATTCCTAAGCTTGGCACTTGGAAATAC 422
Db 547 AsnThrLysMetAlaTyrLeuGlnIleProGlyIleAlaLysValGlyThrTrpLysTyr 566
QY 423 AGTCTGCAAGCAGCTCACAACCTTGACCTGACCTGTCAGTCCGCTGCGTCCCAATGCT 482
Db 567 SerLeuGlnAlaSerSerGlnThrLeuThrLeuThrValThrSerArgAlaSerAsnAla 586
QY 483 ACCCTGCTCCCAATACAGTGAATCCAAACGAAACGACAGCAGCAAAATCCCCCAGC 542
Db 587 ThrLeuProProIleThrValThrSerLysThrAsnLysAspThrSerLysPheProSer 606
QY 543 CTTCTGGTGTAGTTATGCAAAATATCCCAAGAGCTCCCAATCTCAGGCGCAGTGTC 602
Db 607 ProLeuValValTyrAlaAsnIleArgGlnGlyAlaSerProIleLeuArgAlaSerVal 626
QY 603 ACAGCCTGATTTGAATCAGTGAATGAAACAGTTACCTTGGAACTACTGATGAATGGA 662
Db 627 ThrAlaLeuIleGluSerValAsnGlyLysThrValThrLeuGluLeuLeuAspAsnGly 646
QY 663 GCAGTGTCTGCTACTACTAAGATGACGCTGCTACTCAAGTATTTCACTATATGAC 722
Db 647 AlaGlyAlaAspAlaThrLysAspAspGlyValTyrSerArgTyrPheThrThrTyrAsp 666
QY 723 ACGAATGGTAGATACAGTCTAAAGTGGCGGCTCTGGGAGGAGTTAAACGACGACAGCG 782
Db 667 ThrAsnGlyArgTyrSerValLysValArgAlaLeuGlyGlyValAsnAlaAlaArgArg 686
QY 783 AGAGTGATACCCAGCAGAGTGAGCAGTGTATACATACCTGGCTGGATGAGAAATGAA 842
Db 687 ArgValIleProGlnSerGlyAlaLeuTyrIleProGlyTrpIleGluAsnAspGlu 706
QY 843 ATACATGAATCCACCAAGCTGAAATTAATAGGATGATGTTCAACACAGCAAGTG 902
Db 707 IleGlnTrpAsnProProArgProGluIleAsnLysAspValGlnHisLysGlnVal 726
QY 903 TGTTCAGCAGAACATCCTCGGAGGCTCATTTGTGGCTTCTGATGTCCTCCAAATGCTCC 962
Db 727 CysPheSerArgThrSerSerGlyGlySerPheValAlaSerAspValProAsnAlaPro 746
QY 963 ATACCTGATCTCTCCCACTGCGCAAAATCACCGACTGAGCGGAAATCACCGGGGC 1022
Db 747 IleProAspLeuPheProProGlyGlnIleThrAspLeuLysAlaGluIleHisGlyGly 766
QY 1023 AGTCTCAATTAATCTGACTTGGACAGCTCTCTGGGATGATATGACCATGGAACAGCTAC 1082
Db 767 SerLeuIleAsnLeuThrTrpThrAlaProGlyAspAspTyrAspHisGlyThrAlaHis 786
QY 1083 AAGTATATCATTCGAATAGTACAAGTATTTGATCTCAGACAGCAAGTTCAATGATCT 1142
Db 787 LysTyrIleIleArgIleSerThrSerIleLeuAspLeuArgAspLysPheAsnGluSer 806
QY 1143 CTTCAAGTGAATACTACTCTCTCATCCCAAGGAGCAACTCTGAGGAAGTCTTTTGG 1202
Db 807 LeuGlnValAsnThrThrAlaLeuIleProLysGluAlaAsnSerGluGluValPheLeu 826
QY 1203 TTTAAACAGAAAACATTAATCTTTGAAATGGCAGAGCTTTTCTATCTGCTATTACGGCT 1262
Db 827 PheLysProGluAsnIleThrPheGluAsnGlyThrAspLeuPheIleAlaIleGlnAla 846
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QY 1263 GTTGATAAGTTCGATCTGAAATCAGAAATATCCAAATTCAGACGAGTATCTTTGTTTATT 1322
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QY 1323 CTTCCACAGACTCCGCCAGAGACACTAGTCTGATGAACCTCTGCTCTTGTCTCTAAT 1382
Db 867 ProProGlnThrProProGluThrProSerProAspGluThrSerAlaProCysProAsn 886
QY 1383 ATTCATATCAACAGACACCACTTCTGGCATTACATTTTAAAAATATATGTGGAGTGGATA 1442
Db 887 IleHisIleAsnSerThrIleProGlyIleHisIleLeuLysIleMetTrpLysTrpIle 906
QY 1443 GGAGAACTGCAGCTGTCAATAGCC 1466
Db 907 GlyGluLeuGlnLeuSerIleAla 914

RESULT 5
US-09-981-353-192
; Sequence 192, Application US/09981353
; Patent No. US20020160382A1
; GENERAL INFORMATION:
; APPLICANT: Lasek, Amy W.
; APPLICANT: Jones, David A.
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0038 US
; CURRENT APPLICATION NUMBER: US/09/981,353
; CURRENT FILING DATE: 2001-10-11
; NUMBER OF SEQ ID NOS: 194
; SOFTWARE: PERL Program
; SEQ ID NO 192
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20020160382A1 1737775CD1
US-09-981-353-192

Alignment Scores:
Pred. No.: 3,18e-218 Length: 914
Score: 2521.00 Matches: 488
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 82.93% Indels: 0
DB: 9 Gaps: 0

US-09-049-696-19 (1-1693) x US-09-981-353-192 (1-914)
QY 3 CAAAGTGTGCCATCATCCACACAGTCGCTTTGGGCGCCTCTGACGCTCAAGAACTAGAG 62
Db 427 GlnSerGlyAlaIleIleHisThrValAlaLeuGlyProSerAlaAlaGlnGluLeuGlu 446
QY 63 GAGCTGTCAAAATGACAGAGGTTTACAGACATATGCTTCAGATCAAGTTCAGACAAT 122
Db 447 GluLeuSerLysMetThrGlyGlyLeuGlnThrTyrAlaSerAspGlnValGlnAsnAsn 466
QY 123 GCCTCATTTGATGCTTTTGGGCGCCTTTCATCAGGAAATGGAGCTGCTCTCAGCGCTCC 182
Db 467 GlyLeuIleAspAlaPheGlyAlaLeuSerSerGlyAsnGlyAlaValSerGlnArgSer 486
QY 183 ATCCAGCTTGAGATAAGGATTAACCTCCAGAACAGCCAGTCAGTGAATGGCACAGTG 242
Db 487 IleGlnLeuGluSerLysGlyLeuThrLeuGlnAsnSerGlnTrpMetAsnGlyThrVal 506
QY 243 ATCTGGGACAGACCGTGGGAAAGGACACTTTGTTCTTATCACCCTGGACAAACGCGCT 302
Db 507 IleValAspSerThrValGlyLysAspThrLeuPheLeuIleThrTrpThrGlnPro 526
QY 303 CCCCAAACTCTCTCTGGGATCCAGTGACAGACAGAGGCTGCTTCTAGTGACAAA 362
Db 527 ProGlnIleLeuLeuTrpAspProSerGlyGlnLysGlnGlyGlyPheValValAspLys 546
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QY 543 CCTCTGGTATGTTATGCAATATTCGCCAAGAGAGCCTCCCAATTCACAGGGCAGATGTC 602
Db |||||
QY 607 ProLeuValValTyAlaAlaSnlleArgGlnGlyAlaSerProilleuArgAlaSerVal 626
Db |||||
QY 603 ACAGCCTGATGAATCAGTGAATGAAACAGATTACCTTGAACCTACTGATGATGCA 662
Db |||||
QY 627 ThrAlaLeuileuSerValenGlyLysThrValThrLeuGluLeuLeuAspAsnGly 646
Db |||||
QY 663 GCAGGTGCTGATGCTACTAAGGATGACGGTGTCTACTCAAGGTATTTTCACACTTATGAC 722
Db |||||
QY 647 AlaGlyAlaAspAlaThrLysAspAspGlyValTySerArgTyPheThrThrTyAsp 666
QY 723 AGCAATGTTAGATACAGTGTAAAGTCGGGCTCTGGAGAGTAAACCCAGCAGACGG 782
Db |||||
QY 667 ThrAsnGlyArgTySerValLysValArgAlaLeuGlyGlyValAsnAlaAlaArgArg 686
QY 783 AGAGTGATACCCAGCAGAGTGCAGACACTGTATACATACCTGGCTGGATTGAGATGATGAA 842
Db |||||
QY 687 ArgValilleProGlnGlnSerGlyAlaLeuTyPheProGlyTrpIleGluAsnAspGlu 706
Db |||||
QY 843 ATACAATGGAATCCCAAGACCTGAAATTAATAAGGATGATGTTCAACACAAAGCAAGTG 902
Db |||||
QY 707 IleGlnTrpAsnProArgProGluIleAsnLysAspValGlnHisLysGlnVal 726
QY 903 TGTTTCAGCAGAACATCCTCGGAGGCTCATTTGTGGCTTCTGATGTCCTCAAAATGCTCC 962
Db |||||
QY 727 CysPheSerArgThrSerSerGlyGlySerPheValAlaSerAspValProAsnAlaPro 746
QY 963 ATACCTGATCTTCCACCTGCGCAAAATCACCGACTGAAGCGGAATTCACGGGGC 1022
Db |||||
QY 747 IleProAspLeuPheProGlyGlnIleThrAspLeuLysAlaGluIleHisGlyGly 766
QY 1023 AGTCTCATTAATCTGACTTGGCAGCTCCTGGGAGTATTATCACCATGGAACAGCTCAC 1082
Db |||||
QY 767 SerLeuileAsnLeuThrTrpThrAlaProGlyAspTyAspHisGlyThrAlaHis 786
QY 1083 AAGTATATCATTCGAATAAGTCAAGTATCTTGTATCTCAGACAAAGTTCAATGAATCT 1142
Db |||||
QY 787 LysTyRilleArgIleSerThrSerIleLeuAspLeuArgAspLysPheAsnGluSer 806
QY 1143 CTTCAAGTCAATACTCTCTCTCATCCCAAGGAGCACTCTCAGGAGTCTTTTG 1202
Db |||||
QY 807 LeuGlnValAsnThrThrAlaLeuIleProLysGluAlaAsnSerGluValPheLeu 826
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QY 827 PheLysProGluAsnIleThrPheGluAsnGlyThrAspLeuPheIleAlaIleGlnAla 846
QY 1263 GTTGATAAGTTCGATCTGAAATCAGAAATATCAACATTCGACAGATCTTTGTTTATT 1322
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QY 847 ValAspLysValAspLeuLysSerGluIleSerAsnIleAlaArgValSerLeuPheIle 866
QY 1323 CCTCCACAGCTCCGCGACAGACCTAGTCTGATGAACGCTGCTCTTGTCTCTAAT 1382
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QY 867 ProProGlnThrProProGluThrProSerProAspGluThrSerAlaProCysProAsn 886
QY 1383 ATTATATCAACAGACCACTTCTGGCATTCACATTTTAAAAATATGGAAGTGCATA 1442
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Db |||||
QY 907 GlyGluLeuGlnLeuSerIleAla 914

RESULT 7

US-10-025-380-1066
; Sequence 1066, Application US/10025380
; Publication NO. US20020182191A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather
; APPLICANT: Benson, Darin R.

; APPLICANT: Meagher, Madeleine Joy
; APPLICANT: Stolk, John A.
; APPLICANT: Wang, Tongtong
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Smith, Carole L.
; APPLICANT: King, Gordon E.
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; APPLICANT: Skeiky, Yasir A. W.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Vedvick Thomas S.
; APPLICANT: Carter, Darick
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; FILE OF INVENTION: OF COLON CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.471C14
; CURRENT APPLICATION NUMBER: US/10/025,380
; CURRENT FILING DATE: 2001-12-19
; NUMBER OF SEQ ID NOS: 1129
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1066
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-025-380-1066

Alignment Scores:
Pred. No.: 3,18e-218 Length: 914
Score: 2521.00 Matches: 488
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 82.93% Indels: 0
DB: 13 Gaps: 0

US-09-049-696-19 (1-1683) x US-10-025-380-1066 (1-914)

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Db 427 GlnSerGlyAlaIleIleHisThrValAlaLeuGlyProSerAlaAlaGlnGluLeuGlu 446
QY 63 GAGCTGTCCAAATGACAGGAGGTTTACAGACATATGCTTCAGATCAAGTTTCAGAACAAT 122
Db 447 GluLeuSerLysMetThrGlyGlyLeuGlnThrTyAlaSerAspGlnValGlnAsnAsn 466
QY 123 GGCCTCATTTGATGCTTTTGGGGCCCTTTTCATCAGGAAATGAGAGCTCTCTCAGCGCTCC 182
Db 467 GlyLeuileAspAlaPheGlyAlaLeuSerSerGlyAsnGlyAlaValSerGlnArgSer 486
QY 183 ATCCAGCTTGAGAGTAAGGGATTACCTTCAGAACAGCCAGTGGATGAATGCCACAGTG 242
Db 487 IleGlnLeuGluSerLysGlyLeuThrLeuGlnAsnSerGlnTrpMetAsnGlyThrVal 506
QY 243 ATCGTGACAGCAGCCTGGGAAAGGACACTTTTGTCTTATCACCTGGCAACAGCAGCCT 302
Db 507 IleValAspSerThrValGlyLysAspThrLeuPheLeuIleThrTrpThrGlnPro 526
QY 303 CCCCATAATCTTCTCTGGGATCCAGTGACAGAGCAAGAGGTGGCTTTCTAGTGGCAAA 362
Db 527 ProGlnIleLeuLeuTrpAspProSerGlyGlnLysGlnGlyPheValValAspLys 546
QY 363 AACACCAAAATGGCTTACCTCCAATCCAGGATGCTTAAGTGGCTTGGCTTGGCAATATC 422
Db 547 AsnThrLysMetAlaTyLeuGlnIleProGlyIleAlaLysValGlyThrTrpLysTy 566
QY 423 AGTCTGCAGCAGCTCACAAACCTTGACCTGCAGCTGCTCAGCTCCCGTCCGTCCATGCT 482
Db 567 SerLeuGlnAlaSerSerGlnThrLeuThrValThrSerArgAlaSerAsnAla 586
QY 483 ACCCTGCCTCCCAATACAGTGAATCTCCAAAAGCAAGACAGACACCAAGCAAAATCCCCAGC 542
Db 587 ThrLeuProIleThrValThrSerLysThrAsnLysAspThrSerLysPheProSer 606
QY 543 CCTCTGGTAGTTTATGCAAAATATTCGCAAGGAGCTCCCAATTCCTCAGGGCCAGTGTC 602
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Db 607 ProLeuValValTyAlaAsnIleArgGlnGlyAlaSerProIleLeuArgAlaSerVal 626
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Db 627 ThrAlaLeuIleGluSerValAsnGlySerThrValThrLeuGluLeuLeuAspAsnGly 646
QY 663 GCAGGTGCTGATGCTACTAAGATACGGTGTCTACTCAAGGTATTTCACACTTATGAC 722
Db 647 AlaGlyAlaAspAlaThrIlyshsaspGlyValTySerArgTyPheThrThrTyRasp 666
QY 723 AGAATGTGTAGATACAGTGTAAAGTGGCGGTCTGGAGAGATTAACACGCCAGACGG 782
Db 667 ThrAsnGlyArgTySerValIysValArgAlaLeuGlyGlyValAsnAlaAlaArgArg 686
QY 783 AGAGTGATACCCAGCAGAGTGGACACTGTACATACCTGCTGGTGGATTCAGATGATGAA 842
Db 687 ArgValIleProGlnGlnSerGlyAlaLeuTyIleProGlyTrpIleGluAsnAspGlu 706
QY 843 ATACAAATGGAATCCACCAAGACTGAAATTAATAAGGATGATTTCAACACCAAGCAAGTG 902
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QY 903 TGTTCAGCAGAACATCTCTGGAGGCTCATTTGTGGCTTCTGATGTCCTCAAAATGCTCC 962
Db 727 CysPheSerArgThrSerSerGlyGlySerPheValAlaSerAspValProAsnAlaPro 746
QY 963 ATACCTGATCTCTCCACCTGCCAATCAACGACCTGAAGCGGAAATTCACGGGGC 1022
Db 747 IleProAspLeuPheProGlnIleThrAspLeuIleAlaGluIleHisGlyGly 766
QY 1023 AGTCTCATTAATCTGACTTGGACAGCTCTCTGGGATGATTATGACCATGGAACTGCTAC 1082
Db 767 SerLeuIleAsnLeuThrTrpThrAlaProGlyAspAspTyAspHisGlyThrAlaHis 786
QY 1083 AAGTATATCATTCGAATGAATCAAGTATCTTGATCTCAGACAGATTCATCAATCT 1142
Db 787 LysTyrlleIleArgIleSerThrSerIleLeuAspLeuArgAspIysPheAsnGluSer 806
QY 1143 CTTCAAGTGAATACTGCTCTCTCCAAAGGAAGCACTCTGAGGAAGTCTTTTG 1202
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QY 1203 TTTAAACCAAGAAACATTAATCTTGAATGGACAGATCTTTTCACTCTATTTCAGGCT 1262
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QY 1323 CCTCCACAGACTCCGCCAGACACTAGTCTGATGAACCTCTGCTCTGCTCTTAAT 1382
Db 867 ProProGlnThrProProGluThrProSerProAspGluThrSerAlaProCysProAsn 886
QY 1383 ATTCTATATCAACAGACACCATCTCTGGCATTCACATTTTAAATAATATGGAAGTGGATA 1442
Db 887 IleHisIleAsnSerThrIleProGlyIleHisIleLeuIysIleMetTrpLysTrpIle 906
QY 1443 GGAGAACTGCAGCTGTCAATAGCC 1466
Db 907 GlyGluLeuGlnLeuSerIleAla 914

RESULT 8

US-10-270-595-6
; Sequence 6, Application US/10270595
; Publication No. US20030078409A1
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Asthma-Associated Factors, Including Asthma and Related
; TITLE OF INVENTION: Disorders
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/10/270,595

; CURRENT FILING DATE: 2002-10-16
; PRIOR APPLICATION NUMBER: US/09/623,624
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,472
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-270-595-6

Alignment Scores:

Pred. No.: 3,186-218 Length: 914
Score: 2521.00 Matches: 488
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 82.93% Indels: 0
DB: 14 Gaps: 0

US-09-049-696-19 (1-1683) x US-10-270-595-6 (1-914)

QY 3 CAAAGTGTGTCATCATCCACACAGTCCGCTTTGGGGCCCTCTGCAGCTCAAGAACTAGAG 62
Db 427 GlnSerGlyAlaIleIleHisThrValAlaLeuGlyProSerAlaAlaGlnGluLeuGlu 446
QY 63 GAGCTGTCCAAATGACAGAGGTTTACAGACATATGCTTCAGATCAAGTTCAGAACAT 122
Db 447 GluLeuSerLysMetThrGlyGlyLeuGlnThrTyAlaSerAspGlnValGlnAsnAsn 466
QY 123 GGCCTCATTTGATGCTTTTGGGGCCCTTTTCATCAGGAAATGGAGCTGTCTCTCAGCGCTCC 182
Db 467 GlyLeuIleAspAlaPheGlyAlaLeuSerSerGlyAsnGlyAlaValSerGlnArgSer 486
QY 183 ATCCAGCTTGAGAGTAAGGATTAACCTCCAGAACAGCCAGTGGATGAATGGCACAGTG 242
Db 487 IleGlnLeuGluSerLysGlyLeuThrLeuGlnAsnSerGlnTrpMetAsnGlyThrVal 506
QY 243 ATCGTGGACACCGCTGGGAAAGGACACTTTGTTTCTTATCACCCTGGACACGCGCT 302
Db 507 IleValAspSerThrValGlyLysAspThrLeuPheLeuIleThrTrpThrGlnPro 526
QY 303 CCCCAATCCTTCTCTGGGATCCAGTGGACAGAACAGAGTGGCTTTGTAGTGACAA 362
Db 527 ProGlnIleLeuLeuTrpAspProSerGlyGlnLysGlnGlyPheValValAspLys 546
QY 363 AACACCAAAATGGCTACTTCAAAATCCAGCATTTGTAAGTTGGCATTTGGAAATAC 422
Db 547 AsnThrLysMetAlaTyLeuGlnIleProGlyIleAlaLysValGlyThrTrpLysTy 566
QY 423 AGTCTGCAAGCAAGCTCAAAACCTTGACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 482
Db 567 SerLeuGlnAlaSerSerGlnThrLeuThrLeuThrValThrSerArgAlaSerAsnAla 586
QY 483 ACCCTGCTCCAAATTCAGTGAAGTCTTCCAAAGCAAGGACACAGCAAAATTTCCCGAGC 542


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Db 587 ThrLeuProProlleThrValThrSerLysThrAsnLysAspThrSerLysPheProSer 606
Qy 543 CCTCTGGTAGTTATGCAATATTCGCCAAGAGCCTCCCAATTCCTCAGGCGCAGTGC 602
Db 607 ProLeuValValThrAlaAsnIleArgGlnGlyAlaSerProIleLeuArgAlaSerVal 626
Qy 603 ACAGCCCTGATTGATCAGTGAATGAAAGAAACAGATTACCTTGGAACTACTGATTAATGAA 662
Db 627 ThrAlaLeuIleGluSerValAsnGlyLysThrValThrLeuGluLeuLeuAspAsnGly 646
Qy 663 GCAGTGTGCTGCTACTAAGATGACGCTGCTACTCAAGGTATTTCACAACTTATGAC 722
Db 647 AlaGlyAlaAspAlaThrLysAspGlyValThrSerArgTyrPheThrThrTyrAsp 666
Qy 723 ACCAATGGTAGATACAGTCTAAAGTTCGCGGCTCTGGAGGAGTTAAACGAGCCAGACGG 782
Db 667 ThrAsnGlyArgTyrSerValLysValArgAlaLeuGlyGlyValAsnAlaAlaArgArg 686
Qy 783 AGAGTGATACCCAGCAGAGTGGAGCAGTGTACATACCTGGCTGGATGAGATGATGAA 842
Db 687 ArgValIleProGlnGlnSerGlyAlaLeuTyrIleProGlyTyrIleGluAsnAspGlu 706
Qy 843 ATACATGGAATCCACCAAGACTGAAATTAATGAAGTGTCTCAACACAGCAAGTNG 902
Db 707 IleGlnTrpAsnProProArgProGluIleAsnLysAspValGlnHisLysGlnVal 726
Qy 903 TGTTCAGCAGAACATCTCCGAGGCTCATTTGTGGCTTCTGATCTCCCAATGTCTCC 962
Db 727 CysPheSerArgThrSerSerGlyGlySerPheValAlaSerAspValProAsnAlaPro 746
Qy 963 ATACTGTATCTTCTCCACTGCCAAATCACCGACTGAAGCGGAAATTCACGGGGC 1022
Db 747 IleProAspLeuPheProProGlyGlnIleThrAspLeuLysAlaGluIleHisGlyGly 766
Qy 1023 AGTCTCATTAATCTGACTGGACAGCTCTGGGATGATTGACCATCGAACAGCTCAC 1082
Db 767 SerLeuIleAsnLeuThrTrpThrAlaProGlyAspAspTyrAspHisGlyThrAlaHis 786
Qy 1083 AAGTATATCATTCGAATAGTACAAAGTATTCTTGATCTCAGACAGCAAGTTCAATGAATCT 1142
Db 787 LysTyrIleIleArgIleSerThrSerIleLeuAspLeuArgAspLysPheAsnGluSer 806
Qy 1143 CTTCAAGTGAATATCTACTCTCTATCCCAAGGAGCCAACTCTGAGGAAGTCTTTTG 1202
Db 807 LeuGlnValAsnThrThrAlaLeuIleProLysGluAlaAsnSerGluGluValPheLeu 826
Qy 1203 TTTAAACCGAAGAACTACTTCTTGAATGSCACAGATCTTTTCACTTCTATTGAGGT 1262
Db 827 PheLysProGluAsnIleThrPheGluAsnGlyThrAspLeuPheIleAlaIleGlnAla 846
Qy 1263 GTTGATAAGTTCGATCTGAATCAGAAATATCCAACTGACGAGTATCTTTGTTTATT 1322
Db 847 ValAspLysValAspLeuLysSerGluIleSerAsnIleAlaArgValSerLeuPheIle 866
Qy 1323 CTTCCACAGACTCCGCCAGACACCTAGTCTGATGAAACGCTGCTGCTCTTGTCTTAAT 1382
Db 867 ProProGlnThrProProGluThrProSerProAspGluThrSerAlaProCysProAsn 886
Qy 1383 ATTCTATCAACAGACACCTCTGTCATTCATTTTAAATTAATTAATGAGGAGTGATA 1442
Db 887 IleHisIleAsnSerThrIleProGlyIleHisIleLeuLysIleMetTrpLysTrpIle 906
Qy 1443 GGAGAACTGCAGCTGTCAATAGCC 1466
Db 907 GlyGluLeuGlnLeuSerIleAla 914

```

RESULT 9

US-10-235-994-26
; Sequence 26, Application US/10235994
; Publication No. US20030101002A1
; GENERAL INFORMATION:
; APPLICANT: Bartha, Gabor

APPLICANT: Walker, Michael
; TITLE OF INVENTION: METHODS FOR ANALYZING GENE EXPRESSION PATTERNS
; FILE REFERENCE: ICYTP012
; CURRENT APPLICATION NUMBER: US/10/235,994
; PRIORITY FILING DATE: 2002-09-04
; PRIOR APPLICATION NUMBER: US/10/003,608
; PRIORITY FILING DATE: 2001-11-01
; PRIOR APPLICATION NUMBER: 60/245,081
; PRIORITY FILING DATE: 2000-11-01
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO: 26
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Human
; US-10-235-994-26

Alignment Scores:
Pred. No.: 3,18e-218 Length: 914
Score: 2521.00 Matches: 488
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 82.93% Indels: 0
DB: 14 Gaps: 0

US-09-049-696-19 (1-1693) x US-10-235-994-26 (1-914)

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Qy 3 CAAAGTGGTGCCATCATCCACAGTCGCTTTGGGGCCCTCTGCAGCTCAAGAAGTAGAG 62
Db 427 GlnSerGlyAlaIleIleHisThrValAlaLeuGlyProSerAlaAlaGlnGluLeuGlu 446
Qy 63 GAGCTGTCCAAATGACAGAGGTTTACAGACATATGCTTTCAGATCAAGTTCAGAACAT 122
Db 447 GluLeuSerLysMetThrGlyGlyLeuGlnThrTyrAlaSerAspGlnValGlnAsnAsn 466
Qy 123 GGCCTCATGTATGCTTTTGGGGCCCTTTCATCAGGAAATGGAGCTCTCTCAGCGCTCC 182
Db 467 GlyLeuIleAspAlaPheGlyAlaLeuSerSerGlyAsnGlyAlaValSerGlnArgSer 486
Qy 183 ATCCAGCTTGAGAGTAAGGATTAAACCTCCAGAACAGCAGTGGATGAATGGCACAGTG 242
Db 487 IleGlnLeuGluSerLysGlyLeuThrLeuGlnAsnSerGlnTrpMetAsnGlyThrVal 506
Qy 243 ATCGTGGACAGCACCCCTGGGAAAGGACACTTTTGTCTTATCACCTGGACAAACGACGCT 302
Db 507 IleValAspSerThrValGlyLysAspThrLeuPheLeuIleThrTrpThrThrGlnPro 526
Qy 303 CCCCAAATCCTTCTCTGGGATCCAGTGCAGACAGCAAGGTGGCTTTGTAGTGGACAAA 362
Db 527 ProGlnIleLeuLeuTrpAspProSerGlyGlnLysGlnGlyPheValValAspLys 546
Qy 363 AACACCAAAATGGCTTACCTCCAAATCCAGGCACTTGAAGTTGGCACTTGGAAATAC 422
Db 547 AsnThrLysMetAlaTyrLeuGlnIleProGlyIleAlaLysValGlyThrTrpLysTyr 566
Qy 423 AGTCTGCAAGCAGCTCACAACCTTGGACCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 482
Db 567 SerLeuGlnAlaSerSerGlnThrLeuThrValThrSerArgAlaSerAsnAla 586
Qy 483 ACCCTGCTCCCAATTTACAGTGTCTCCAAACGAAACGAAACGAAACGAAATTTCCAGC 542
Db 587 ThrLeuProProIleThrValThrSerLysThrAsnLysAspThrSerLysPheProSer 606
Qy 543 CCTCTGGTAGTTTATGCAATATTCGCCAAGAGCCTCCCAATTCCTCAGGCGCAGTGTG 602
Db 607 ProLeuValValThrAlaAsnIleArgGlnGlyAlaSerProIleLeuArgAlaSerVal 626
Qy 603 ACAGCCCTGATTGAATCAGTGAATGAAACAGATTACCTTGGAACTACTGATTAATGGA 662
Db 627 ThrAlaLeuIleGluSerValAsnGlyLysThrValThrLeuGluLeuLeuAspAsnGly 646
Qy 663 GCAGTGTGATGCTTACTTAAGATGACGCTGTCTACTCAAGGTATTTCACAACTTATGAC 722

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Db 647 AlaGlyAlaAspAlaThrLysAspAspGlyValTyrSerArgTyrPheThrThrTyrAsp 666
QY 723 ACCAATGGTAGATACAGTCTAAAGTGGCGGCTCTGGGAGGAGTTAAACACACGACAGCG 782
Db 667 ThrAsnGlyArgTyrSerValLysValArgAlaLeuGlyGlyValAsnAlaAlaArgArg 686
QY 783 AGAGTGATACCCAGCAGAGTGAGCAGCTGTATACATCCTGGCTGGATTGAGAAATGATGAA 842
Db 687 ArgValIleProGlnGlnSerGlyAlaLeuTyrIleProGlyTyrIleGluAsnAspGlu 706
QY 843 ATACAAATGAATCCACCAAGACTGAAATTAATATAGGATGATGTTCAACACCAAGCAAGTG 902
Db 707 IleGlnTrpAsnProProArgProGluIleAsnLysAspValGlnHisLysGlnVal 726
QY 903 TGTTCACGAGAACATCTCTGGGAGGCTCATTTGGCTTCTGATGCTCCAAATGCTCC 962
Db 727 CysPheSerArgThrSerSerGlyGlySerPheValAlaSerAspValProAsnAlaPro 746
QY 963 ATACCTGATCTCTCCACCTGGCCAAATCACCGACCTGAAGCGGAAATTCACGGGGC 1022
Db 747 IleProAspLeuPheProProGlyGlnIleThrAspLeuLysAlaGluIleHisGlyGly 766
QY 1023 AGTCATTAATCTGACTTGAGCAGCTCTGGGAGTATGATGACCATGGAACAGCTCAC 1082
Db 767 SerLeuIleAsnLeuThrTrpThrAlaProGlyAspAspTyrAspHisGlyThrAlaHis 786
QY 1083 AAGTATATCATTCGAATAGTACAGTATCTTGTATCTCAGAGACAGTTCATCAATCT 1142
Db 787 LysTyrIleIleArgIleSerThrSerIleLeuAspLeuArgAspLysPheAsnGluSer 806
QY 1143 CTTCAAGTGAATACTACTCTCTCATCCCAAGGAGCAACTCTGAGGAAGTCTTTTGT 1202
Db 807 LeuGlnValAsnThrThrAlaLeuIleProLysGluAlaAsnSerGluValPheLeu 826
QY 1203 TTTAAACCAAGAAAACATCTTTGAAATGACACAGATCTTTTCATTGCTATTGAGCT 1262
Db 827 PheLysProGluAsnIleThrPheGluAsnGlyThrAspLeuPheIleAlaIleGlnAla 846
QY 1263 GTTGATAGGTCGATCGAATCAGAAATATCCAACTGACGAGTATCTTTGTTTATT 1322
Db 847 ValAspLysValAspLeuLysSerGluIleSerAsnIleAlaArgValSerLeuPheIle 866
QY 1323 CTTCCACAGACTCCGCGACAGACACTAGTCTCTGATGAAACCTCTGCTCTTGTCTTAAT 1382
Db 867 ProProGlnThrProProGluThrProSerProAspGluThrSerAlaProCysProAsn 886
QY 1383 ATTATATCAACAGACCACTCTGCGCATTCACATTTTAAATAATTATGTGGAAGTGATA 1442
Db 887 IleHisIleAsnSerThrIleProGlyIleHisIleLeuLysIleMetTrpLysTrpIle 906
QY 1443 GGAGAACTGCAGCTCTCAATAGCC 1466
Db 907 GlyGluLeuGlnLeuSerIleAla 914

RESULT 10

US-10-060-255-42
; Sequence 42, Application US/10060255
; Publication No. US20030113840A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 25 Human secreted proteins
; FILE REFERENCE: P2042P1
; CURRENT APPLICATION NUMBER: US/10/060,255
; CURRENT FILING DATE: 2002-02-01
; PRIOR APPLICATION NUMBER: 09/781,417
; PRIOR FILING DATE: 2001-02-13
; PRIOR APPLICATION NUMBER: PCT/US00/22325
; PRIOR FILING DATE: 2000-08-16
; PRIOR APPLICATION NUMBER: 60/149,182
; PRIOR FILING DATE: 1999-08-17
; NUMBER OF SEQ ID NOS: 86
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 42

; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-060-255-42
Alignment Scores:
Pred. No.: 3,18e-218 Length: 914
Score: 2521.00 Matches: 488
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 82.93% Indels: 0
DB: 14 Gaps: 0
US-09-049-696-19 (1-1683) x US-10-060-255-42 (1-914)
QY 3 CAAGTGTGTCATCATCCACACAGTCCCTTTGGGGCCCTCTGCAGCTCAAGAACTAGAG 62
Db 427 GlnSerGlyAlaIleIleHisThrValAlaLeuGlyProSerAlaAlaGlnGluLeuGlu 446
QY 63 GAGCTGTCCAAATGACAGGAGGTTTACAGACATATGCTTCAGATCAAGATTTCAGAACAA 122
Db 447 GluLeuSerLysMetThrGlyGlyLeuGlnThrTyrAlaSerAspGlnValGlnAsnAsn 466
QY 123 GGCCTCATTTGATGCTTTTGGGGCCCTTTTCATCAGGAAATGGAGCTGTCTCTCAGCGCTCC 182
Db 467 GlyLeuIleAspAlaPheGlyAlaLeuSerSerGlyAsnGlyAlaValSerGlnArgSer 486
QY 183 ATCCAGCTTGAGTAAGGATTAACCTCCAGAACACCCAGTGGATGATGAATGGCACAGTG 242
Db 487 IleGlnLeuGluSerLysGlyLeuThrLeuGlnAsnSerGlnTrpMetAsnGlyThrVal 506
QY 243 ATCTGGGACAGCACCGTGGGAAAGGACACTTTTGTTCATCACCCTGGACACGAGCCT 302
Db 507 IleValAspSerThrValGlyLysAspThrLeuPheLeuIleThrTrpThrThrGlnPro 526
QY 303 CCCCAAAATCCTTCTCTGGGATCCAGTGGACAGACAGAGGTTGGCTTTGTAGTGACAAA 362
Db 527 ProGlnIleLeuLeuTrpAspProSerGlyGlnLysGlnGlyPheValValAspLys 546
QY 363 AACACCAAAATGGCTACTCTCAAAATCCAGGACATGCTAGGTTGGCAGCTTGGAAATAC 422
Db 547 AsnThrLysMetAlaTyrLeuGlnIleProGlyIleAlaLysValGlyThrTrpLysTyr 566
QY 423 AGTCTGCAAGCAAGCTCAAAACCTTGACCTGTACCTGTACCTCCGCTCGCTCCAAATGCT 482
Db 567 SerLeuGlnAlaSerSerGlnThrLeuThrLeuThrValThrSerArgAlaSerAsnAla 586
QY 483 ACCCTGCTCCAAATTCAGTGAATTCCTCAAAACGAAACAGGACACCCAGCAAAATTCCTCCAGC 542
Db 587 ThrLeuProProIleThrValThrSerLysThrAsnLysAspThrSerLysPheProSer 606
QY 543 CCTCTGGTAGTTTATGAAATATTCGCAAGAGCTCCCAATTCCTCAGGGCCAGTGTC 602
Db 607 ProLeuValValTyrAlaAsnIleArgGlnGlyAlaSerProIleLeuArgAlaSerVal 626
QY 603 ACAGCCCTGATGATCAATGCAATGGAAACAGTTACTTGGAACTACTGGATTAATGGA 662
Db 627 ThrAlaLeuIleGluSerValAsnGlyLysThrValThrLeuGluLeuLeuAspAsnGly 646
QY 663 GCAGTGCTGATGCTACTAAGGATGACGGTGTCTACTCAAGGTATTTTCACAACTTATGAC 722
Db 647 AlaGlyAlaAspAlaThrLysAspAspGlyValTyrSerArgTyrPheThrThrTyrAsp 666
QY 723 ACGAATGTAGATACAGTGTAAAAGTGGGGCTCTGGGAGAGATTAAACGACCCAGAGCG 782
Db 667 ThrAsnGlyArgTyrSerValLysValArgAlaLeuGlyValAsnAlaAlaArgArg 686
QY 783 AGAGTGATACCCACGAGGAGGACACTGTACATCTGCTGGTGGATTGAGATGATGATGAA 842
Db 687 ArgValIleProGlnGlnSerGlyAlaLeuTyrIleProGlyTrpIleIleAsnAspGlu 706
QY 843 ATACAATGGAATCCACCAAGACCTGAAATTAATGAAGGATGATGTTCAACACCAAGCAAGTG 902

Db 707 IleGlnTrpAsnProProArgProGluIleAsnLysAspAspValGlnHisLysGlnVal 726
QY 903 TGTTCAGCAGAACATCTCTCGGAGGCTCATTTGTGGCTTCTGTAGTGTCCAAATGCTCCC 962
Db 727 CysPheSerArgThrSerSerGlyGlySerPheValAlaSerAspValProAsnAlaPro 746
QY 963 ATACCTGATCTCTCCACCTCGCCAAATCAGCGACCTGAAAGCGGAAATTCACGGGGC 1022
Db 747 IleProAspLeuPheProProGlyGlnIleThrAspLeuLysAlaGluIleHisGlyGly 766
QY 1023 AGTCTCATTAATCTGACTTGGACAGCTCTCGGGGATGATTATGACCATGGAACAGCTCAC 1082
Db 767 SerLeuIleAsnLeuThrTrpThrAlaProGlyAspAspTyrAspHisGlyThrAlaHis 786
QY 1083 AAGTATATCATTCGAATAAGTACAAGTATCTTGATCTCAGACACAAGTTCAATGAATCT 1142
Db 787 LysTyrIleIleArgIleSerThrSerIleLeuAspLeuArgAspLysPheAsnGluSer 806
QY 1143 CTTCAAGTCAATACTACTCTCTCATCCCAAGGAGCCAACTCTGAGGAAGTCTTTTG 1202
Db 807 LeuGlnValAsnThrThrAlaLeuIleProLysGluAlaAsnSerGluGluValPheLeu 826
QY 1203 TTTAAACACAGAAAACATTCTTTGAAAATGACACAGATCTTTTCAATGCTTATTCAGGCT 1262
Db 827 PheLysProGluAsnIleThrPheGluAsnGlyThrAspLeuPheIleAlaIleGlnAla 846
QY 1263 GTTGATAAGTGCATCTGAAATCAGAAATATCAACATTCAGCAGATCTTTTGTATT 1322
Db 847 ValAspLysValAspLeuLysSerGluIleSerAsnIleAlaArgValSerLeuPheIle 866
QY 1323 CTTCACAGACTCCGCGAGAGACACTAGTCTGTATGAAACGCTGCTCTGCTCTTCTTAAT 1382
Db 867 ProProGlnThrProProGluThrProSerProAspGluThrSerAlaProCysProAsn 886
QY 1383 ATTATATCAACAGACACCATCTCTGCTCATTCACATTTTAAAAATATGGAAGTGGATA 1442
Db 887 IleHisIleAsnSerThrIleProGlyIleHisIleLeuLysIleMetTrpLysTrpIle 906
QY 1443 GGAGAACTGCAGCTGTCAATAGCC 1466
Db 907 GlyGluLeuGlnLeuSerIleAla 914

RESULT 11
US-09-764-868-635
; Sequence 635, Application US/09764868
; Patent No. US20020168711A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PT232
; CURRENT APPLICATION NUMBER: US/09/764,868
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 1510
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 635
; LENGTH: 925
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-764-868-635

Alignment Scores:
Pred. No.: 3,19e-218 Length: 925
Score: 2521.00 Matches: 488
Percent Similarity: 100.00% Conservatives: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 82.93% Indels: 0
DB: 9 Gaps: 0

US-09-049-696-19 (1-1683) x US-09-764-868-635 (1-925)

QY 3 CAAAGTGTGCATCATTCACACAGTGTCTTTGGGGCCCTCTGCGACTCAAGAACTAGAG 62
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Db 438 GlnSerGlyAlaIleIleHisThrValAlaLeuGlyProSerAlaAlaGlnGluLeuGlu 457
QY 63 GAGCTGTCAAATAACACAGGAGGTTTACAGACATATGCTTTCAGATCAAGTTCAGAACAAAT 122
Db 458 GluLeuSerLysMetThrGlyGlyLeuGlnThrTyrAlaSerAspGlnValGlnAsnAsn 477
QY 123 GGCCTCATTGATGCTTTGGGGCCCTTTCATCAGGAATGGAGCTGCTCTCAGCGCTCC 182
Db 478 GlyLeuIleAspAlaPheGlyAlaLeuSerSerGlyAsnGlyAlaValSerGlnArgSer 497
QY 183 ATCCAGCTTGAGAGTAAGGGATTAAACCTCCAGAACAGCAGCTGGATGAATGGCACAGTG 242
Db 498 IleGlnLeuGluSerLysGlyLeuThrLeuGlnAsnSerGlnTrpMetAsnGlyThrVal 517
QY 243 ATCTGGACAGCACCGTGGGAAAGACACTTTTGTCTTATCACCTGGGACACGACGCT 302
Db 518 IleValAspSerThrValGlyLysAspThrLeuPheLeuIleThrTrpThrGlnPro 537
QY 303 CCCCAATCCTTCTCTGGGATCCAGTGGACAGACAGAGGTGGCTTTGTAGTGGCAAA 362
Db 538 ProGlnIleLeuLeuTrpAspProSerGlyGlnLysGlnGlyPheValValAspLys 557
QY 363 AACACCAAAATGGCTTACCTCCAAATCCAGGCATTGCTAAGGTTGGCACTTGGAAATAC 422
Db 558 AsnThrLysMetAlaTyrLeuGlnIleProGlyIleAlaLysValGlyThrTrpLysTyr 577
QY 423 AGTCTGCAAGCAAGCTCAAAACCTTGACCCCTGACTGTCACTGCCGTCCGCTCAATGCT 482
Db 578 SerLeuGlnAlaSerSerGlnThrLeuThrLeuThrValThrSerArgAlaSerAsnAla 597
QY 483 ACCCTGCTCCAAATACAGTGTGCTTCCAAAACGAAACAGACACACGAAATTTCCACGC 542
Db 598 ThrLeuProProIleThrValThrSerLysThrAsnLysAspThrSerLysPheProSer 617
QY 543 CTTCTGTGTAGTTATGCAAAATTCGCCAAGCAGCTCCCAATCTCAGGCGCAGTGTC 602
Db 618 ProLeuValValTyrAlaAsnIleArgGlnGlyAlaSerProIleLeuArgAlaSerVal 637
QY 603 ACAGCTCTGATTGAATCAGTGAATGGAATAACAGTTACCTTGGAACTACTGGATATGGA 662
Db 638 ThrAlaLeuIleGluSerValAsnGlyLysThrValThrLeuGluLeuLeuAspAsnGly 657
QY 663 GCAGTGTGTGCTTACTAAGGATCAGGTGTCTACTCAAGTATTTCAACTTATGAC 722
Db 658 AlaGlyAlaAspAlaThrLysAspGlyValTyrSerArgTyrPheThrThrTyrAsp 677
QY 723 ACGAATGTGTAGATACAGTGTAAAGTGGGGCTCTGGGAGGAGTTAAACCCAGCAGACGG 782
Db 678 ThrAsnGlyArgTyrSerValLysValArgAlaLeuGlyLysValAsnAlaAlaArgArg 697
QY 783 AGAGTGATACCCACAGCAGAGTGGACACTGTATACATACCTGGCTGGATTGAGAAATGATGA 842
Db 698 ArgValIleProGlnGlnSerGlyAlaLeuTyrIleProGlyTrpIleGluAsnAspGlu 717
QY 843 ATCAATGGAATCCACCAAGACCTGAAATTAATAGGATGATGTTCAACACAGCAAGTG 902
Db 718 IleGlnTrpAsnProProArgProGluIleAsnLysAspAspValGlnHisLysGlnVal 737
QY 903 TGTCTTCAGCAGACATCTCTGGGAGGCTCATTTGTGGCTTCTGTATGCTCCCAATGCTCCC 962
Db 738 CysPheSerArgThrSerSerGlySerPheValAlaSerAspValProAsnAlaPro 757
QY 963 ATACCTGATCTCTTCCACCTGGCAAAATCACCGACCTGAAGCGGAAATTCACGGGGC 1022
Db 758 IleProAspLeuPheProProGlyGlnIleThrAspLeuLysAlaGluIleHisGlyGly 777
QY 1023 AGTCTCATTAATCTGACTTGGACAGCTCTCTGGGATGATTATGACCATGGAACAGCTCAC 1082
Db 778 SerLeuIleAsnLeuThrTrpThrAlaProGlyAspTyrAspHisGlyThrAlaHis 797
QY 1083 AAGTATATCATTCGAATAAGTACAAGTATCTTGTATCTCAGACACAAGTTCAATGAATCT 1142
Db 798 LysTyrIleIleArgIleSerThrSerIleLeuAspLeuArgAspLysPheAsnGluSer 817

QY 1143 CTTCAAGTGAATACCTCTCTCCCAAGGAGCCAACTCTGAGGAAGCTTTTGG 1202
DB 818 LeuGlnValAsnThrThrAlaLeuLeuProLysGluAlaAsnSerGluGluValPheLeu 837
QY 1203 TTTAAACCAAGAAACATTAATTTGAAATGACACAGATCTTTTTCATTGCTATTGAGGCT 1262
DB 838 PheLysProGluAsnLeuThrPheGluAsnGlyThrAspLeuPheLeuAlaGlnAla 857
QY 1263 GTTGATAGGTGATCTGAAATCAGAAATATCAACATTGACAGAGTATCTTTGTTTATT 1322
DB 858 ValAspLysValAspLeuLysSerGluLeuSerAsnLeuAlaArgValSerLeuPheLeu 877
QY 1323 CTTCCACAGACTCCGACAGACACTGCTCTGTAAGACCTGCTGCTCTTGTCTCTAAT 1382
DB 878 ProProGlnThrProProGluThrProSerProAspGluThrSerAlaProCysProAsn 897
QY 1383 ATTATATCAACAGACACCACTCTCTGCAATTCACATTTTAAATAATTATGGAAGTGGATA 1442
DB 898 IleHisIleAsnSerThrIleProGlyIleHisIleLeuLysIleMetTrpLysTrpIle 917
QY 1443 GGAGAACTGCAGCTGTCAATAGCC 1466
DB 918 GlyGluLeuGlnLeuSerIleAla 925

RESULT 12

US-10-106-698-6248
; Sequence 6248, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide
; FILE REFERENCE: PA005P1
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 6248
; LENGTH: 925
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-106-698-6248

Alignment Scores:

Pred. No.: 3 198-218 Length: 925
Score: 2521.00 Matches: 488
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 82.93% Indels: 0
DB: 14 Gaps: 0

US-09-049-696-19 (1-1693) x US-10-106-698-6248 (1-925)

QY 3 CAAAGTGGTGCCATCATCCACAGAGTCGCTTTGGGGCCCTCTGCAGCTCAAGAACTAGAG 62
DB 438 GlnSerGlyAlaIleIleHisThrValAlaLeuGlyProSerAlaAlaGlnLeuGlu 457
QY 63 GAGCTGTCAAATGACAGAGGTTTACAGACATATGCTTCAGATCAAGTTCAGAACAAAT 122
DB 458 GluLeuSerLysMetThrGlyGlyLeuGlnThrTyAlaSerAspGlnValGlnAsnAen 477
QY 123 GGCCTCATGATGCTTTGGGGCCCTTTCATCAGAAATGGAGCTGCTCTCAGCGCTCC 182
DB 478 GlyLeuIleAspAlaPheGlyAlaLeuSerSerGlyAsnGlyAlaValSerGlnArgSer 497
QY 183 ATCCAGCTTGAGAGTAAGGATTAACCTCCAGAACAGCCAGTGGATGAATGGCACAGTG 242

DB 498 IleGlnLeuGluSerLysGlyLeuThrLeuGlnAsnSerGlnTrpMetAsnGlyThrVal 517
QY 243 ATCTGGGACACACCGTGGGAAAGGACACACTTTTCTTATCACCTGACACGAGCCT 302
DB 518 IleValAspSerThrValGlyLysAspThrLeuPheLeuIleThrTrpThrGlnPro 537
QY 303 CCCAAATCTCTCTCTGGGATCCAGAGTGGACAGAGCAAGGTGGCTTTGTAGTGACAAA 362
DB 538 ProGlnIleLeuLeuTrpAspProSerGlyGlnLysGlnGlyPheValValAspLys 557
QY 363 AACACCAAAATGGCTACTCCAAATCCAGGCAATGTAAGTTGGCACTTGGAAAATAC 422
DB 558 AsnThrLysMetAlaTyLeuGlnIleProGlyIleAlaLysValGlyThrTrpLysTy 577
QY 423 AGTCTGCAAGCAAGCTCACAACCTTGACCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 482
DB 578 SerLeuGlnAlaSerSerGlnThrLeuThrValThrSerArgAlaSerAsnAla 597
QY 483 ACCCTGCTCCAAATTACAGTGACTTCCAAAGCAAGGACACAGCAAAATTTCCCCAGC 542
DB 598 ThrLeuProProlIleThrValThrSerLysThrAsnLysAspThrSerLysPheProSer 617
QY 543 CCTCTGTAGTTTATGCAAAATATTGCCAAGAGAGCTCCCAATTTCTCAGGCCAGTGT 602
DB 618 ProLeuValValTyAlaAsnIleArgGlnGlyAlaSerProIleLeuArgAlaSerVal 637
QY 603 ACAGCCCTGATGATCAATCAGTGAATGGAAAAACAGTTACTTGGAACTACTGGATAATGA 662
DB 638 ThrAlaLeuIleGluSerValAsnGlyLysThrValThrLeuGluLeuLeuAspAsnGly 657
QY 663 GCAGTGTGTGATGCTACTTAAGGATGACGCTGCTACTCAAGGTATTTCACAATCTATGAC 722
DB 658 AlaGlyAlaAspAlaThrLysAspAspGlyValTySerArgTyPheThrThrTyAsp 677
QY 723 ACGAATGTAGATACAGTGTAAAGTGGGGCTCTGGGAGGAGTTTAAACGACCCAGAGG 782
DB 678 ThrAsnGlyArgTySerValLysValArgAlaLeuGlyGlyValAsnAlaAlaArg 697
QY 783 AGAGTGATACCCAGCAGAGTGGAGCACTGTACATACCTGGCTGCTGCTGCTGCTGCTGCT 842
DB 698 ArgValIleProGlnGlnSerGlyAlaLeuTyTrpIleProGlyTrpIleGluAsnAspGlu 717
QY 843 ATACAATGGAATCCACCAAGACCTGAAATTAATAGGATGATGTTCAACACACAAAGTG 902
DB 718 IleGlnTrpAsnProProArgProGluLeuAsnLysAspAspValGlnHisLysGlnVal 737
QY 903 TGTTTCACGACAGACATCTCCGGAGGCTCATTTGGGCTTCTGATGTCCCAATCTCC 962
DB 738 CysPheSerArgThrSerSerGlySerPheValAlaSerAspValProAsnAlaPro 757
QY 963 ATACTGTATCTTCTCCACCTGGCCAAATCACCGACCTGAAGCGGAAATTCACGGGGC 1022
DB 758 IleProAspLeuPheProGlyGlnIleThrAspLeuLysAlaGluIleHisGlyGly 777
QY 1023 AGTCTCATTAAATCTGACTTGGACAGCTCTCCGGGATGATTATGACCATGGACACCTAC 1082
DB 778 SerLeuIleAsnLeuThrTrpThrAlaProGlyAspAspTyAspHisGlyThrAlaHis 797
QY 1083 AAGTATATCATTCGAATAAGTACAAAGTATTCTTGATCTCAGAGACAAGTTCAATGAATCT 1142
DB 798 LysTyTrilleIleArgIleSerThrSerIleLeuAspLeuArgAspLysPheAsnGluSer 817
QY 1143 CTTCAAGTGAATACTACTGCTCTCATCCAAAGGAGCAACTCTGAGGAAGTCTTTTGG 1202
DB 818 LeuGlnValAsnThrThrAlaLeuIleProLysGluAlaAsnSerGluGluValPheLeu 837
QY 1203 TTTAAACCAAGAAACATTAATTTGAAATGGCAGACATCTTTTCAATGCTATTGAGGCT 1262
DB 838 PheLysProGluAsnIleThrPheGluAsnGlyThrAspLeuPheIleAlaIleGlnAla 857
QY 1263 GTTGATAAGGTGATCTGAAATCAGAAATATCCAACTGACGAGTATCTTTGTTTATT 1322
DB 858 ValAspLysValAspLeuLysSerGluIleSerAsnIleAlaArgValSerLeuPheLeu 877

QY 1323 CCTCCACAGACTCCGCGCAGAGACACCTAGTCTCTGATGAACGCTCTGCTCTCTTGTCTCAAT 1382
Db 878 ProProGlnThrProProGluThrProSerProAspGluThrSerAlaProCysProAsn 897
QY 1383 ATTCTATCAACAGACACCAATTCCTGGCATTACATTTTAAATTTATGGAAGTGGATA 1442
Db 898 IleHisIleAsnSerThrIleProGlyIleHisIleLeuLysIleMetTrpLysTrpIle 917
QY 1443 GGAGAACTGCAGTGTCAATAGCC 1466
Db 918 GlyGluLeuGlnLeuSerIleAla 925

RESULT 13
US-10-055-412B-28
; Sequence 28, Application US/10055412B
; Publication No. US20030059861A1
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0058
; CURRENT APPLICATION NUMBER: US/10/055,412B
; CURRENT FILING DATE: 2001-10-29
; PRIOR APPLICATION NUMBER: US/09/193,562
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 28
; LENGTH: 914
; TYPE: PR1
; ORGANISM: Homo sapiens
US-10-055-412B-28

Alignment Scores:
Pred. No.: 5,93e-218 Length: 914
Score: 2518.00 Matches: 487
Percent Similarity: 100.00% Conservative: 1
Best Local Similarity: 99.80% Mismatches: 0
Query Match: 82.83% Indels: 0
DB: 14 Gaps: 0

US-09-049-696-19 (1-1683) x US-10-055-412B-28 (1-914)

QY 3 CAAGTGGTGCCATCATCCACAGTCGCTTTGGGCGCTCTGCAGCTCAAGAACTAGAG 62
Db 427 GlnSerGlyAlaIleIleHisThrValAlaLeuGlyProSerAlaAlaGlnGluLeuGlu 446
QY 63 GAGCTGTCCAAATGACAGGAGGTTTACAGACATATGCTTTCAGATCAAGTTTCAGAACAA 122
Db 447 GluLeuSerLysMetThrGlyGlyLeuGlnThrTyrAlaSerAspGlnValGlnAsnAsn 466
QY 123 GGCCTCATGTGCTTTGGGCGCTTTTCATCAGGAATGAGCTGTCTCTCAGCGCTCC 182
Db 467 GlyLeuIleAspAlaPheGlyAlaLeuSerSerGlyAsnGlyAlaValSerGlnArgSer 486
QY 183 ATCCAGCTTGAGTAAGGATTAACCTCCAGACAGCCAGTGGATGAATGGCACAGTG 242
Db 487 IleGlnLeuGluSerLysGlyLeuThrLeuGlnAsnSerGlnTrpMetAsnGlyThrVal 506
QY 243 ATCGTGGACAGCAGCTGGGAAAGGACACTTTGTTTCTTATCACCTGGACACAGCGCT 302
Db 507 IleValAspSerThrValGlyLysAspThrLeuPheLeuIleThrTrpThrGlnPro 526
QY 303 CCCAAATCTCTCTGGATCCCAGTGACAGAGAGAGGCTGCTTTGTAGTGACAAA 362
Db 527 ProGlnIleLeuLeuTrpAspProSerGlyGlnLysGlnGlyPheValValAspLys 546
QY 363 AACACCAATCGCTTACCTCAATCCAGCATGCTTAAGCTTGGCACTTGGAAATAC 422
Db 547 AsnThrLysMetAlaTyrLeuGlnIleProGlyIleAlaLysValGlyThrTrpLysTyr 566

RESULT 14

QY 423 AGTCTGCAAGCAAGCTCAAAACCTTGACCTCGTGTACCTCGTGTCCGTCCTCAATGCT 482
Db 567 SerLeuGlnAlaSerSerGlnThrLeuThrLeuThrValThrSerArgAlaSerAsnAla 586
QY 483 ACCCTGCGCTCCAAATACAGTGACCTTCCAAACGACAAAGGACACAGCAAAATCCCCAGC 542
Db 587 ThrLeuProProIleThrValThrSerLysThrAsnLysAspThrSerLysPheProSer 606
QY 543 CCTCTGGTAGTTTATGCAAAATATTCGCAAGAGAGCTCCCCAATTTCTCAGGCGCCAGTGT 602
Db 607 ProLeuValValTyrAlaAsnIleArgGlnGlyAlaSerProIleLeuArgAlaSerVal 626
QY 603 ACAGCCCTGATTGAATAGTGAATGAAACACAGTTTACCTTGGAACTACTGATGAATGGA 662
Db 627 ThrAlaLeuIleGluSerValAsnGlyLysThrValThrLeuGlnLeuLeuAspAsnGly 646
QY 663 GCAGGTGCTGATGCTACTAAGGATCAGCGTGTCTACTCAAGGTATTTTACAACTTATGAC 722
Db 647 AlaGlyAlaAspAlaThrLysAspAspGlyValTyrSerArgTyrPheThrThrTyrAsp 666
QY 723 ACGAATGCTAGATACAGTGTAAAGTGGCGGCTCTGGGAGGAGTTAAACGACCGACAGCG 782
Db 667 ThrAsnGlyArgTyrSerValLysValArgAlaLeuGlyGlyValAsnAlaAlaArgArg 686
QY 783 AGAGTGATACCCACAGCAGAGTGAGCAGCTGTATACCTGGCTGGATGAGATGATGAA 842
Db 687 ArgValIleProGlnGlnSerGlyAlaLeuTyrIleProGlyTrpIleGluAsnAspGlu 706
QY 843 ATACAATGGAATCCACCAAGACCTGAATTAATTAAGGATGATGTTCAACACAGCAAGTG 902
Db 707 IleGlnTrpAsnProProArgProGluIleAsnLysAspAspValGlnHisLysGlnVal 726
QY 903 TGTTCACGACAGAAATCTCTGGGAGGCTCATTTGTGGCTTCTGTGATGTCCTCAATGCTCC 962
Db 727 CysPheSerArgThrSerSerGlySerPheValAlaSerAspValProAsnAlaPro 746
QY 963 ATACCTGATCTCTTCCACCTGGCCAAATCAACCGACCTGGAAGCGGAAATTCACGGGGC 1022
Db 747 IleProAspLeuPheProGlyGlnIleThrAspLeuLysAlaGluIleHisGlyGly 766
QY 1023 AGTCTCATTAATCTGACCTGGACAGCTCTGGGAGTATTATGACCATGGAACAGCTCAC 1082
Db 767 SerLeuIleAsnLeuThrTrpThrAlaProGlyAspAspTyrAspHisGlyThrAlaHis 786
QY 1083 AAGTATATCATTCGAATAAGTACAAAGTATCTTGTGATCTCAGAGACAAGTTCAATGATCT 1142
Db 787 LysTyrIleIleArgIleSerThrSerIleLeuAspLeuArgAspLysPheAsnGluSer 806
QY 1143 CTTCAAGTGAATPACTACTGCTCTCATCCAAAGGAAGCAACTCTGAGGAAGTCTTTTGTG 1202
Db 807 LeuGlnValAsnThrThrAlaLeuIleProLysGluAlaAsnSerGluGluValPheLeu 826
QY 1203 TTTAAACAGAAACATTTACTTTTGAATGGCAGACAGATCTTTTTCATTGCTATTGAGCT 1262
Db 827 PheLysProGluAsnIleThrPheGluAsnGlyThrAspLeuPheIleAlaIleGlnAla 846
QY 1263 GTTGTAAAGTGCATCTGAAATATCAAAATATCCAACTTGCACGAGTATCTTTGTATT 1322
Db 847 ValAspLysValAspLeuLysSerGluIleSerAsnIleAlaArgValSerLeuPheIle 866
QY 1323 CTTCCACAGACTCCGCCAGACACCTAGTCTGTATGAACGCTGTCTCTCTGTCTCTAAT 1382
Db 867 ProProGlnThrProProGluThrProSerProAspGluThrSerAlaProCysProAsn 886
QY 1383 ATTCTATCAACAGACCACTTCTGGCATTCACATTTTAAATTTATGGAAGTGGATA 1442
Db 887 IleHisIleAsnSerThrIleProGlyIleHisIleLeuLysIleMetTrpLysTrpIle 906
QY 1443 GGAGAACTGCAGTGTCAATAGCC 1466
Db 907 GlyGluLeuGlnLeuSerIleAla 914

US-10-369-214-133
; Sequence 133, Application US/10369214
; Publication No. US2003023037A1
; GENERAL INFORMATION:
; APPLICANT: Groot, Pieter C.
; APPLICANT: Berghenhouwen van, Bram J.
; APPLICANT: Oosterhout van, Antoon J.M.
; TITLE OF INVENTION: Genes involved in immune related responses observed
; TITLE OF INVENTION: with asthma
; FILE REFERENCE: P53837US00
; CURRENT APPLICATION NUMBER: US/10/369,214
; CURRENT FILING DATE: 2003-02-15
; PRIOR APPLICATION NUMBER: EP 00202867.8
; PRIOR FILING DATE: 2000-08-16
; PRIOR APPLICATION NUMBER: PCT/NL01/00610
; PRIOR FILING DATE: 2001-08-16
; NUMBER OF SEQ ID NOS: 139
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 133
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (1)..(914)
; OTHER INFORMATION: /note="Human CLCA1"
US-10-369-214-133

Alignment Scores:
Pred. No.: 8,986-218 Length: 914
Score: 2516.00 Matches: 487
Percent Similarity: 99.80% Conservative: 0
Best Local Similarity: 99.80% Mismatches: 1
Query Match: 82.76% Indels: 0
DB: 15 Gaps: 0

US-09-049-696-19 (1-1683) x US-10-369-214-133 (1-914)

QY 3 CAAGTGTGCCATATCCACAGTCGCTTTGGGGCCCTCTGCAGCTCAAGACTGAG 62
DB 427 GlnSerGlyAlaIleHisThrValAlaLeuGlyProSerAlaAlaGlnLeuGlu 446
QY 63 GAGCTGTCCAAATGACAGAGGTTTACAGACATATGCTTCAGATCAAGTTCCAGAACAT 122
DB 447 GluLeuSerLysMetThrGlyGlyLeuGlnThrTyrAlaSerAspGlnValGlnAsn 466
QY 123 GGCCTCATGTATGCTTTGGGGCCCTTTTCATCAGAAATGGAGCTGTCTCTCAGCGCTCC 182
DB 467 GlyLeuLeuAspAlaPheGlyAlaLeuSerSerGlyAsnGlyAlaValSerGlnArgSer 486
QY 183 ATCCAGCTTGACGTAAAGGATTAACTCCAGACAGCCAGTGGATGATGGCCAGTG 242
DB 487 IleGlnLeuGluSerLysGlyLeuThrLeuGlnAsnSerGlnTrpMetAsnGlyThrVal 506
QY 243 ATCGTGGACAGCACCGTGGGAAAGACACTTTGTTTCTTATCACCTGGACACAGCGCT 302
DB 507 IleValAspSerThrValGlyLysAspThrLeuPheLeuIleThrTrpThrGlnPro 526
QY 303 CCCAAATCTCTCTCTGGATCCAGTGGACAGAGAGAGTGGTGTGTAGTGACAAA 362
DB 527 ProGlnLeuLeuTrpAspProSerGlyGlnLysGlnGlyPheValValAspLys 546
QY 363 AACACCAATGGCTACTCCAAATCCAGGCATTTGCTAGGTTGGCACTTGGAAATAC 422
DB 547 AsnThrLysMetAlaTyrLeuGlnIleProGlyIleAlaLysValGlyThrTrpLysTyr 566
QY 423 AGTCTGCAAGCAAGCTCAGAACTTGACCTTGACTGTCACTCCCGTGGCTCCCAATGT 482
DB 567 SerLeuGlnAlaSerSerGlnThrLeuThrLeuThrValThrSerArgAlaSerAsnAla 586
QY 483 ACCCTGCTCCCAATACAGTGAATCCAAACAGAACAGACACAGCAAAATCCCCAGC 542
DB 587 ThrLeuProProIleThrValThrSerLysThrAsnLysAspThrSerLysPheProSer 606

QY 543 CCTCTGTAGTTTATGCAAAATATTCGCCAAGAGAGCTCCCAATTTCTCAGGCCAGTGTG 602
DB 607 ProLeuValValTyrAlaAsnIleArgGlnGlyAlaSerProIleLeuArgAlaSerVal 626
QY 603 ACAGCCCTGATGAATAGTGAATGGAATAACAGTACCTTGGAACTACTGGATTAATGA 662
DB 627 ThrAlaLeuIleGluSerValAsnGlyLysThrValThrLeuGluLeuLeuAspAsnGly 646
QY 663 GCAGTGTCTGATGCTACTAAGGATGACGGTCTCTACTCAAGGTATTTTCCACACTTATGAC 722
DB 647 AlaGlyAlaAspAlaThrLysAspAspGlyValTyrSerArgTyrPheThrThrTyrAsp 666
QY 723 ACGAATGTAGATACAGTGTAAAGTGGGGCTCTGGGAGGAGTAAAGCCAGCCAGACGG 782
DB 667 ThrAsnGlyArgTyrSerValLysValArgAlaLeuGlyValAlaAsnAlaAlaArgArg 686
QY 783 AGAGTGATACCCACAGAGTGGAGCACTGTACATACCTGCTGGATTTGAGATGATGAA 842
DB 687 ArgValIleProGlnGlnSerGlyAlaLeuTyrIleProGlyTrpIleGluAsnAspGlu 706
QY 843 ATACATGGAATCCACCAAGACCTGAATTAATGAAGTATGTTCAACACAGCAAGTGTG 902
DB 707 IleGlnTrpAsnProProArgProGluIleAsnLysAspAspValGlnHisLysGlnVal 726
QY 903 TGTTTCAGCAGAACATCTCTCGGAGGCTCATTTGTGGCTTCTGATGTCCCAATGCTCCC 962
DB 727 CysPheSerArgThrSerSerGlyGlySerPheValAlaSerAspValProAsnAlaPro 746
QY 963 ATACCTGATCTCTTCCCACTGGCCAAATCACCACTGGAAGCGGAAATTCACGGGGC 1022
DB 747 IleProAspLeuPheProProGlyGlnIleThrAspLeuAsnAlaGluIleHisGlyGly 766
QY 1023 AGTCTCATTAATCTGACCTTGACAGCTCTCTGGGAGTATGATGACCATGGACACTCAC 1082
DB 767 SerLeuIleAsnLeuThrTrpThrAlaProGlyAspAspTyrAspHisGlyThrAlaHis 786
QY 1083 AAGTATATCATTCGAATAAGTACAGTATTTCTGATCTCAGAGACAAGTTCATCAATCT 1142
DB 787 LysTyrIleIleIleArgIleSerThrSerIleLeuAspLeuArgAspLysPheAsnGluSer 806
QY 1143 CTTCAAGTGAATACTACTCTCTCATCCAAAGGAAGCAACTCTGAGGAAGTCTTTTGTG 1202
DB 807 LeuGlnValAsnThrThrAlaLeuIleProLysGluAlaAsnSerGluGluValPheLeu 826
QY 1203 TTTAAACAGAAACATTTACTTTTGAAATGGCACAGATCTTTTCATTTGCTATTGAGCT 1262
DB 827 PheLysProGluAsnIleThrPheGluAsnGlyThrAspLeuPheIleAlaIleGlnAla 846
QY 1263 GTTGATAAGGTGCGATCTGAAATCAGAAATATCCAACATTGCACGAGTATCTTTGTTTAT 1322
DB 847 ValAspLysValAspLeuLysSerGluLeuSerAsnIleAlaArgValSerLeuPheIle 866
QY 1323 CTTCCACAGACTCCGCCACAGACACCTAGTCTCTGATGAACGCTGTGCTCTTGTCTTAAT 1382
DB 867 ProProGlnThrProProGluThrProSerProAspGluThrSerAlaProCysProAsn 886
QY 1383 ATTCATATCAACAGCACCATTTCTGGCATTCACATTTTAAATAATTTATGTGAGTGGATA 1442
DB 887 IleHisIleAsnSerThrIleProGlyIleHisIleLeuLysIleMetTrpLysTrpIle 906
QY 1443 GGAGAACTGCAGCTGTCAATAGCC 1466
DB 907 GlyGluLeuGlnLeuSerIleAla 914

RESULT 15

US-10-106-698-4628
; Sequence 4628, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptides
; FILE REFERENCE: PA00591

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; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 4628
; LENGTH: 552
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-106-698-4628

Alignment Scores:
Pred. No.: 9,07e-218 Length: 552
Score: 2515.00 Matches: 487
Percent Similarity: 99.80% Conservative: 0
Best Local Similarity: 99.80% Mismatches: 1
Query Match: 82.73% Indels: 0
DB: 14 Gaps: 0

US-09-049-696-19 (1-1683) x US-10-106-698-4628 (1-552)
QY 3 CAAAGTGGTCCATCATCCACAGTCGCTTGGGGCCCTCTGCAGCTCAAGAATAGAG 62
DB 65 GlnSerGlyAlaIleIleHisThrValAlaLeuGlyProSerAlaAlaGlnGluLeuGlu 84
QY 63 GAGCTGTCCAAATGACAGAGGTTTACAGACATATGCTTCAGATCAAGTTGCAACAAT 122
DB 85 GluLeuSerLysMetThrGlyGlyLeuGlnThrTyrAlaSerAspGlnValGlnAsnAsn 104
QY 123 GSCCTCATTTGCTTTTGGGGCCCTTTCATCAGGAATGGAGCTCTCTCAGCGCTCC 182
DB 105 GlyLeuIleAspAlaPheGlyAlaLeuSerSerGlyAsnGlyAlaValSerGlnArgSer 124
QY 183 ATCCAGCTTGAGAGTAAGGATTAACCCCTCCAGAACAGCAGTGGATGAATGGCAGTG 242
DB 125 IleGlnLeuGluSerLysGlyLeuThrLeuGlnAsnSerGlnTrpMetAsnGlyThrVal 144
QY 243 ATCTGGACAGACCCCTGGGAAGGACACTTTGTTCTTATACCTGGACAGCGACCT 302
DB 145 IleValAspSerThrValGlyLysAspThrLeuPheLeuIleThrTrpThrGlnPro 164
QY 303 CCCCBAATCCTTCTCTGGGATCCAGTGACAGAACGAGGTGGCTTCTAGTGGACAA 362
DB 165 ProGlnIleLeuLeuTrpAspProSerGlyGlnLysGlnGlyPheValValAspLys 184
QY 363 AACACCAAAATGGCTTACCTCCAAATCCAGGCAATGCTAAGGTGGCACTTGGAAATAC 422
DB 185 AsnThrLysMetAlaTyrLeuGlnIleProGlyIleAlaLysValGlyThrTrpLysTyr 204
QY 423 AGTCTGCAAGCAGCTCAAAACCTTGACCCCTGACTGTCACTGCCGTCCGTCCTCAATGT 482
DB 205 SerLeuGlnAlaSerSerGlnThrLeuThrValThrSerArgAlaSerAsnAla 224
QY 483 ACCCTGCTCCCAATACAGTACCTCCAAACGAAACGACAGCAGCAATATCCCGCAGC 542
DB 225 ThrLeuProPheIleThrValThrSerLysThrAsnLysAspThrSerLysPheProSer 244
QY 543 CCTCTGGTAGTTTATCAATATTTCCCAAGGAGCCTCCCAATCTCAGGGCCAGTGT 602
DB 245 ProLeuValValTyrAlaAsnIleArgGlnGlyAlaSerProIleLeuArgAlaSerVal 264
QY 603 ACAGCCCTGATTGAATCAGTGAATGAAACAGTTACCTTGGAACTACTGGATAATGGA 662
DB 265 ThrAlaLeuIleGluSerValAsnGlyLysThrValThrLeuGluLeuLeuAspAsnGly 284
QY 663 GCAGGTGCTGATGCTACTAAGGATGACGGTGTCTACTCAAGGTATTTCACTTATGAC 722
DB 285 AlaGlyAlaAspAlaThrLysAspGlyValTyrSerArgTyrPheThrThrTyrAsp 304
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QY 723 ACGAATGGTAGATACAGTGTATAAAGTGGGGCTCTGGGAGGAGTTAACGACGACGACGG 782
DB 305 ThrAsnGlyArgTyrSerValLysValArgAlaLeuGlyGlyValAsnAlaAlaArgArg 324
QY 783 AGAGTGATACCCACGACGAGTGGACACCTGTACATACCTGGCTGGATTGAGAAATGAA 842
DB 325 ArgValIleProGlnGlnSerGlyAlaLeuTyrIleProGlyTrpIleGluAsnAspGlu 344
QY 843 ATACAATGGAATCCACCAAGACCTGAAATTAATAAGATGATGTTCAACACAGCAAGTG 902
DB 345 IleGlnTrpAsnProArgProGluIleAsnLysAspValGlnHisGlnVal 364
QY 903 TGTTCAGCAGAACATCTCTCGGAGGCTCATTTGGGCTTCTGATGTCCTCAATGCTCCC 962
DB 365 CysPheSerArgThrSerSerGlyGlySerPheValAlaSerAspValProAsnAlaPro 384
QY 963 ATACCTGTATCTCTCCACCTGGCCAAATCAGACCTCAAGCGGAAATTCACGGGGC 1022
DB 385 IleProAspLeuPheProGlnIleThrAspLeuLysAlaGluIleHisGlyGly 404
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DB 405 SerLeuIleAsnLeuThrTrpThrAlaProGlyAspAspTyrAspHisGlyThrAlaHis 424
QY 1083 AAGTATATCATTCGAATAGTACAAGTATTTCTTGATCTCAGACACAAGTTCAATGAATCT 1142
DB 425 LysTyrIleIleArgIleSerThrSerIleLeuAspLeuArgAspLysPheAsnGluSer 444
QY 1143 CTTCAAGTGAATACTACTGCTCTCATCCCAAGGAGCCTCTGAGGAAGCTTTTTCG 1202
DB 445 LeuGlnValAsnThrThrAlaLeuIleProLysGluAlaAsnSerGluValPheLeu 464
QY 1203 TTTAAACCAAGAAAACATTACTTTTGAATATGCACAGATCTTTTCTATTGCTATTTCAGGCT 1262
DB 465 PheLysProGluThrIleThrPheGluAsnGlyThrAspLeuPheIleAlaIleGlnAla 484
QY 1263 GTTGATAAGGTTCGATCTGAAATCAGAAATATCAACATTGCACGAGTATCTTTGTTTATT 1322
DB 485 ValAspLysValAspLeuLysSerGluIleSerAsnIleAlaArgValSerLeuPheIle 504
QY 1323 CCTCCACAGACTCCCGCAGAGACACCTAGTCTCTGATGAACGCTCTGCTGTCCTTAAT 1382
DB 505 ProProGlnThrProProGluThrProSerProAspGluThrSerAlaProCysProAsn 524
QY 1383 ATTCAATATCAACAGACACCACTTCTGCAATTCATATTTAAATAATTATGTGGAAGTGGATA 1442
DB 525 IleHisIleAsnSerThrIleProGlyIleHisIleLeuLysIleMetTrpLysTrpIle 544
QY 1443 GGAGAACTGCAGCTGTCAATAGCC 1466
DB 545 GlyGluLeuGlnLeuSerIleAla 552
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Search completed: April 21, 2004, 16:56:57
Job time : 124.335 secs

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GenCore version 5.1.6
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OM nucleic - protein search, using frame_plus_n2p model

Run on: April 21, 2004, 16:13:49 ; Search time 33.8331 Seconds

(without alignments)
3840.718 Million cell updates/sec

Title: US-09-049-696-12

Perfect score: 417

Sequence: 1 GACACGAGCAATTCGCCAG.....CAGTGTAAAGTGGGGCTC 235

Scoring table:

BLASUM62
Xgapop 10.0, Xgapext 0.5
Ygapop 10.0, Ygapext 0.5
Fgapop 6.0, Fgapext 7.0
Delop 6.0, Delext 7.0

Searched: 1133595 seqs, 276475211 residues

Total number of hits satisfying chosen parameters: 2267190

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Command line parameters:

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-DB=Published Applications AA -QFMT=fastcan -SUFFIX=n2p.rappb -MINMATCH=0.1
-LOOPCL=0 -LOOPEXT=0 -UNITS=bits -START=1 -END=1 -MATRIX=blosum62
-TRANS=human40.cdi -LIST=45 -DOALIGN=200 -THR SCORE=pct -THR MAX=100
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Database :

- 1: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pap.*
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- 18: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pap.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No. Score Match Length DB ID Description

1	392	94.0	552	14	US-10-106-698-4628	Sequence 4628, Ap
2	392	94.0	869	14	US-10-106-698-6388	Sequence 6388, Ap
3	392	94.0	914	9	US-09-823-356-8	Sequence 8, Appli
4	392	94.0	914	9	US-09-922-217-1066	Sequence 1066, Ap
5	392	94.0	914	9	US-09-833-263-1066	Sequence 1066, Ap
6	392	94.0	914	9	US-09-981-353-192	Sequence 192, App
7	392	94.0	914	11	US-09-833-245-2054	Sequence 2054, Ap
8	392	94.0	914	13	US-10-025-380-1066	Sequence 1066, Ap
9	392	94.0	914	14	US-10-270-595-6	Sequence 6, Appli
10	392	94.0	914	14	US-10-235-994-26	Sequence 26, Appli
11	392	94.0	914	14	US-10-060-255-42	Sequence 42, Appli
12	392	94.0	914	15	US-10-369-214-133	Sequence 133, App
13	392	94.0	925	9	US-09-764-868-635	Sequence 635, App
14	392	94.0	925	14	US-10-106-698-6248	Sequence 6248, Ap
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17	339	81.3	913	15	US-10-369-214-132	Sequence 132, App
18	291	69.8	903	14	US-10-055-412B-46	Sequence 46, Appli
19	277	66.4	917	9	US-09-981-353-54	Sequence 54, Appli
20	277	66.4	917	13	US-10-025-167-41	Sequence 41, Appli
21	277	66.4	917	14	US-10-235-994-16	Sequence 16, Appli
22	277	66.4	917	14	US-10-345-680-32	Sequence 32, Appli
23	277	66.4	917	15	US-10-369-214-134	Sequence 134, App
24	277	66.4	917	15	US-10-087-080-34	Sequence 34, Appli
25	277	66.4	919	9	US-09-989-722-379	Sequence 379, App
26	277	66.4	919	9	US-09-989-723-379	Sequence 379, App
27	277	66.4	919	9	US-09-989-727-379	Sequence 379, App
28	277	66.4	919	9	US-09-989-727-379	Sequence 379, App
29	277	66.4	919	9	US-09-989-731-379	Sequence 379, App
30	277	66.4	919	9	US-09-989-732-379	Sequence 379, App
31	277	66.4	919	9	US-09-991-073-379	Sequence 379, App
32	277	66.4	919	9	US-09-990-442-379	Sequence 379, App
33	277	66.4	919	9	US-09-991-163-379	Sequence 379, App
34	277	66.4	919	9	US-09-993-604-379	Sequence 379, App
35	277	66.4	919	9	US-09-990-456-379	Sequence 379, App
36	277	66.4	919	9	US-09-989-721-379	Sequence 379, App
37	277	66.4	919	9	US-09-992-598-379	Sequence 379, App
38	277	66.4	919	9	US-09-989-293A-379	Sequence 379, App
39	277	66.4	919	9	US-09-989-735-379	Sequence 379, App
40	277	66.4	919	9	US-09-990-444-379	Sequence 379, App
41	277	66.4	919	9	US-09-991-181-379	Sequence 379, App
42	277	66.4	919	9	US-09-989-730-379	Sequence 379, App
43	277	66.4	919	9	US-09-990-436-379	Sequence 379, App
44	277	66.4	919	9	US-09-993-687-379	Sequence 379, App
45	277	66.4	919	10	US-09-989-734-379	Sequence 379, App

ALIGNMENTS

RESULT 1

US-10-106-698-4628
; Sequence 4628, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:

; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptides
; FILE REFERENCE: PA005P1
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ IDS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 4628
; LENGTH: 552
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-106-698-4628

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Query Match:	94.00%	Indels:	0
DB:	9	Gaps:	0

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Qy	61	CCAAATTCACAGCGCCAGTGTACACGCCCTGATTGAATCAGTGAATGGAACAACAGTTACC	120
Db	620	ProIleuArgAlaSerValThrAlaIleuIleGluSerValAsnGlyLysThrValThr	639
Qy	121	TTGGAACTACTGGATAATGGACAGCGTGCTGATGCTACTTAAGGATGACGGTGTCTACTCA	180
Db	640	LeuGluLeuLeuAspAsnGlyAlaGlyAlaAspAlaThrLysAspAspGlyValTySer	659
Qy	181	AGGTATTTCAACATTATGACACGCAATGGTATGATACAGTGTAAAGTCGGGGCT	234
Db	660	ArgTyrPheThrThrTyrAspThrAsnGlyArgTyrSerValLysValArgAla	677

RESULT 6
US-09-981-353-192
; Sequence 192, Application US/09981353
; Patent No. US20020160382A1
; GENERAL INFORMATION:
; APPLICANT: Lasek, Amy W.

APPLICANT: JONES, DAVID A.
TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER

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, FILE REFERENCE: FA-000000 CS
, CURRENT APPLICATION NUMBER: US/09/981,353
, CURRENT FILING DATE: 2001-10-11
, NUMBER OF SEQ ID NOS: 194
, SOFTWARE: PERL Program
, SEQ ID NO 192
, LENGTH: 914
, TYPE: PRT
, ORGANISM: Homo sapiens
, FEATURE:
, NAME/KEY: misc feature
, OTHER INFORMATION: Incyte ID No. US20020160382A1 17
US-09-981-353-192
Alignment Scores:
Pred. No.: 3,21e-41 Length: 9

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Score: 332.00
Percent Similarity: 100.00%
Matches: 332.00
Conservative: 0

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Best Local Similarity: 100.00%
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STANDARDIZATION OF THE

101

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RESULT 7

US-09-833-245-2054

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; Sequence 2054, Application US/09833245
; Publication No. US2004010134A1
; GENERAL INFORMATION:
; APPLICANT: Human Genome Sciences, Inc.
; FILE OF INVENTION: Albumin Fusion Proteins
; FILE REFERENCE: PF546PCT
; CURRENT APPLICATION NUMBER: US/09/833,245
; CURRENT FILING DATE: 2001-04-12
; PRIOR APPLICATION NUMBER: 60/229, 358
; PRIOR FILING DATE: 2000-04-12
; PRIOR APPLICATION NUMBER: 60/256, 931
; PRIOR FILING DATE: 2000-12-21
; PRIOR APPLICATION NUMBER: 60/199, 384
; PRIOR FILING DATE: 2000-04-25
; NUMBER OF SEQ ID NOS: 2267
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 2054
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-833-245-2054

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Pred. No.: 3,21e-41 Length: 914
Score: 392.00 Matches: 78
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 94.00% Indels: 0
DB: 11 Gaps: 0

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DB 600 AspThrSerLysPheProSerProLeuValValTyrAlaAsnIleArgGlnGlyAlaSer 619
QY 61 CCAATTCTCAGGGCCAGTGTCTACAGCCCTGATTGAATCAGTGAATGGAACAGTTACC 120
DB 620 ProIleLeuArgAlaSerValThrAlaLeuIleGluSerValAsnGlyLysThrValThr 639
QY 121 TTGGAACACTACTGGATAATCGACAGTGTCTGATGCTACTAGCATGACGGTCTCTACTCA 180
DB 640 LeuGluLeuLeuAspAsnGlyAlaGlyAlaAspAlaThrLysAspAspGlyValTyrSer 659
QY 181 AGGTATTTCAACATTCACACGAGTGTAGATACAGTGAATGTAAGTGGGGCT 234
DB 660 ArgTyrPheThrThrTyrAspThrAsnGlyArgTyrSerValLysValArgala 677
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RESULT 8
US-10-025-380-1066
; Sequence 1066, Application US/10025380
; Publication No. US20020182191A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather
; APPLICANT: Benson, Darin R.
; APPLICANT: Meagher, Madeleine Joy
; APPLICANT: Stolk, John A.
; APPLICANT: Wang, Tongtong
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Smith, Carole L.
; APPLICANT: King, Gordon E.
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; APPLICANT: Skeiky, Yasir A. W.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darick
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; FILE OF INVENTION: OF COLON CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.471C14
; CURRENT APPLICATION NUMBER: US/10/025,380
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; CURRENT FILING DATE: 2001-12-19
; NUMBER OF SEQ ID NOS: 1129
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1066
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-025-380-1066

Alignment Scores:
Pred. No.: 3,21e-41 Length: 914
Score: 392.00 Matches: 78
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 94.00% Indels: 0
DB: 13 Gaps: 0

US-09-049-696-12 (1-235) x US-10-025-380-1066 (1-914)
QY 1 GACACGACAAATCCCGAGCCCTCTGGTAGTTTATGCAAAATATTCGCCAAGAGCCTCC 60
DB 600 AspThrSerLysPheProSerProLeuValValTyrAlaAsnIleArgGlnGlyAlaSer 619
QY 61 CCAATTCTCAGGGCCAGTGTCTACAGCCCTGATTGAATCAGTGAATGGAACAGTTACC 120
DB 620 ProIleLeuArgAlaSerValThrAlaLeuIleGluSerValAsnGlyLysThrValThr 639
QY 121 TTGGAACACTACTGGATAATCGACAGTGTCTGATGCTACTAGCATGACGGTCTCTACTCA 180
DB 640 LeuGluLeuLeuAspAsnGlyAlaGlyAlaAspAlaThrLysAspAspGlyValTyrSer 659
QY 181 AGGTATTTCAACATTCACACGAGTGTAGATACAGTGAATGTAAGTGGGGCT 234
DB 660 ArgTyrPheThrThrTyrAspThrAsnGlyArgTyrSerValLysValArgala 677

RESULT 9
US-10-270-595-6
; Sequence 6, Application US/10270595
; Publication No. US20030078409A1
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/10/270,595
; CURRENT FILING DATE: 2002-10-16
; PRIOR APPLICATION NUMBER: US/09/623,624
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,472
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; PRIOR FILING DATE: 1996-08-23
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 6
; LENGTH: 914
; TYPE: PRT
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SOFTWARE: PatentIn Ver. 2.1

SEQ ID NO 133

LENGTH: 914

TYPE: PRT

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: SITE

LOCATION: (1)..(914)

OTHER INFORMATION: /note="Human CLCAl"

US-10-369-214-133

Alignment Scores:

Pred. No.: 3,21e-41

Score: 392.00

Percent Similarity: 100.00%

Best Local Similarity: 100.00%

Query Match: 94.00%

DB: 15

Length: 914

Matches: 78

Conservative: 0

Mismatches: 0

Indels: 0

Gaps: 0

US-09-049-696-12 (1-235) x US-10-369-214-133 (1-914)

QY 1 GACACAGCAAAATCCCGAGCCCTCTGGTAGTTTATGCAAAATATTCGCCAAGAGCCTCC 60

Db 600 AspThrSerLysPheProSerProLeuValValTyrAlaAsnIleArgGlnGlyAlaSer 619

QY 61 CCAATTCTCAGGGCCAGTGTCCAGCCCTGATTGAATCAGTGAATGGAACAGTTACC 120

Db 620 ProIleLeuArgAlaSerValThrAlaLeuIleGluSerValAsnGlyLysThrValThr 639

QY 121 TTGGAACACTACTGGATAATGAGCAGGTGCTGCTACTACTAGCATGACGGTGTCTACTCA 180

Db 640 LeuGluLeuLeuAspAsnGlyAlaGlyAlaAspAlaThrLysAspAspGlyValTyrSer 659

QY 181 AGTATTTCACAACTTATGACAGCAATGCTAGATACAGTGTAAAGTGGGGCT 234

Db 660 ArgTyrPheThrThrTyrAspThrAsnGlyArgTyrSerValLysValArgAla 677

RESULT 13

US-09-764-868-635

Sequence 635, Application US/09764868

Patent No. US20020168711A1

GENERAL INFORMATION:

APPLICANT: Rosen et al.

TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies

FILE REFERENCE: PT232

CURRENT APPLICATION NUMBER: US/09/764,868

Prior application data removed - refer to PALM or file wrapper

NUMBER OF SEQ ID NOS: 1510

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 635

LENGTH: 925

TYPE: PRT

ORGANISM: Homo sapiens

US-09-764-868-635

Alignment Scores:

Pred. No.: 3,22e-41

Score: 392.00

Percent Similarity: 100.00%

Best Local Similarity: 100.00%

Query Match: 94.00%

DB: 9

Length: 925

Matches: 78

Conservative: 0

Mismatches: 0

Indels: 0

Gaps: 0

US-09-049-696-12 (1-235) x US-09-764-868-635 (1-925)

QY 1 GACACAGCAAAATCCCGAGCCCTCTGGTAGTTTATGCAAAATATTCGCCAAGAGCCTCC 60

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QY 61 CCAATTCTCAGGGCCAGTGTCCAGCCCTGATTGAATCAGTGAATGGAACAGTTACC 120

Db 631 ProIleLeuArgAlaSerValThrAlaLeuIleGluSerValAsnGlyLysThrValThr 650

QY 121 TTGGAACACTACTGGATAATGAGCAGGTGCTGATGCTACTAAGCATGACGGTGTCTACTCA 180

Db 651 LeuGluLeuLeuAspAsnGlyAlaGlyAlaAspAlaThrLysAspAspGlyValTyrSer 670

QY 181 AGTATTTCACAACTTATGACAGCAATGCTAGATACAGTGTAAAGTGGGGCT 234

Db 671 ArgTyrPheThrThrTyrAspThrAsnGlyArgTyrSerValLysValArgAla 688

RESULT 14

US-10-106-698-6248

Sequence 6248, Application US/10106698

Publication No. US20030109690A1

GENERAL INFORMATION:

APPLICANT: Ruben et al.

TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptides

FILE REFERENCE: PA005PI

CURRENT APPLICATION NUMBER: US/10/106,698

CURRENT FILING DATE: 2002-03-27

Prior Application Number: PCT/US00/36524

Prior Filing Date: 2000-09-28

Prior Application Number: US 60/157,137

Prior Filing Date: 1999-09-29

Prior Application Number: US 60/163,280

Prior Filing Date: 1999-11-03

NUMBER OF SEQ ID NOS: 8564

SOFTWARE: PatentIn Ver. 3.0

SEQ ID NO 6248

LENGTH: 925

TYPE: PRT

ORGANISM: Homo sapiens

US-10-106-698-6248

Alignment Scores:

Pred. No.: 3,22e-41

Score: 392.00

Percent Similarity: 100.00%

Best Local Similarity: 100.00%

Query Match: 94.00%

DB: 14

Length: 925

Matches: 78

Conservative: 0

Mismatches: 0

Indels: 0

Gaps: 0

US-09-049-696-12 (1-235) x US-10-106-698-6248 (1-925)

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Db 631 ProIleLeuArgAlaSerValThrAlaLeuIleGluSerValAsnGlyLysThrValThr 650

QY 121 TTGGAACACTACTGGATAATGAGCAGGTGCTGATGCTACTAAGCATGACGGTGTCTACTCA 180

Db 651 LeuGluLeuLeuAspAsnGlyAlaGlyAlaAspAlaThrLysAspAspGlyValTyrSer 670

QY 181 AGTATTTCACAACTTATGACAGCAATGCTAGATACAGTGTAAAGTGGGGCT 234

Db 671 ArgTyrPheThrThrTyrAspThrAsnGlyArgTyrSerValLysValArgAla 688

RESULT 15

US-10-055-412B-28

Sequence 28, Application US/10055412B

Publication No. US20030059861A1

GENERAL INFORMATION:

APPLICANT: Pauli, Benedict U.

TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium

FILE OF INVENTION: Activated Chloride Channel-Adhesion Molecules

FILE REFERENCE: 18617.0058

CURRENT APPLICATION NUMBER: US/10/055,412B

CURRENT FILING DATE: 2001-10-29

Prior Application Number: US/09/193,562

Prior Filing Date: 1998-11-17

Prior Application Number: US/60/065,922

; PRIOR FILING DATE: 1997-11-17
 ; NUMBER OF SEQ ID NOS: 47
 ; SEQ ID NO 28
 ; LENGTH: 914
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-055-412B-28

Alignment Scores:
 Pred. No.: 7,81e-41 Length: 914
 Score: 389.00 Matches: 77
 Percent Similarity: 100.00% Conservative: 1
 Best Local Similarity: 98.72% Mismatches: 0
 Query Match: 93.29% Indels: 0
 DB: 14 Gaps: 0

US-09-049-696-12 (1-235) x US-10-055-412B-28 (1-914)

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 600 AspThrSerLysPheProSerProLeuValValTyrAlaAsnIleArgGlnGlyAlaSer 619
 QY 61 CCAATTCTCAGGCCAGTGTCTACAGCCCTGATTGATCAGTGAATCGAATAAAGACAGTTACC 120
 Db |||||||
 620 ProIleLeuArgAlaSerValThrAlaLeuIleGluSerValAsnGlyLysThrValThr 639
 QY 121 TTGGAACTACTGGATAATGGAGCAGGTGCTGTGATGCTACTAAGGATGACGGTGTCTACTCA 180
 Db ||::|||
 640 LeuGlnLeuLeuAspAsnGlyAlaGlyAlaAspAlaThrLysAspAspGlyValTyrSer 659
 QY 181 AGGTATTTACAACTTATCACACGAATGGTAGATACAGTGAATAAGTGGGGCT 234
 Db |||||||
 660 ArgTyrPheThrThrTyrAspThrAsnGlyArgTyrSerValLysValArgAla 677

Search completed: April 21, 2004, 16:39:17
 Job time : 37.8331 secs

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GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM nucleic - protein search, using frame_plus_n2p model

Run on: April 21, 2004, 16:13:29 ; Search time 11.9919 Seconds
(without alignments)
2023.381 Million cell updates/sec

Title: US-09-049-696-12

Perfect score: 417

Sequence: 1 GACACAGCAATCCCCAG.....CAGTGTAAGTGGCGGTC 235

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Ygapop 10.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 778828

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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-LOOPEXT=0 -UNITS=bits -START=1 -END=1 -MATRIX=blosum62 -TRANS=human40.cdi
-LIST=45 -DOALIGN=200 -THR SCORE=pct -THR MAX=100 -THR MIN=0 -ALIGN=15
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-FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database :

- Issued Patents AA:*
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5: /cgn2_6/ptodata/2/iaa/PCITUS_COMB.pep.*
6: /cgn2_6/ptodata/2/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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2	389	93.3	914	4	US-09-193-562D-28
3	339	81.3	913	4	US-09-623-624-2
4	291	69.8	903	4	US-09-193-562D-46
5	277	66.4	917	4	US-09-049-698-41
6	252	60.4	903	4	US-09-623-624-18
7	250	60.0	902	4	US-09-193-562D-34
8	247	59.2	1000	4	US-09-193-562D-30
9	243	58.3	795	4	US-09-193-562D-11
10	243	58.3	821	4	US-09-193-562D-12
11	243	58.3	905	4	US-09-193-562D-2
12	239	57.3	791	4	US-09-643-597-170

13	239	57.3	791	4	US-09-480-884A-170
14	239	57.3	791	4	US-09-542-615A-170
15	239	57.3	791	4	US-09-606-421B-170
16	239	57.3	920	4	US-09-643-597-357
17	239	57.3	942	4	US-09-919-172-87
18	239	57.3	943	4	US-09-643-597-161
19	239	57.3	943	4	US-09-480-884A-161
20	239	57.3	943	4	US-09-542-615A-161
21	239	57.3	943	4	US-09-606-421B-161
22	239	57.3	943	4	US-09-623-624-4
23	239	57.3	943	4	US-09-221-107-161
24	237	56.8	943	4	US-09-193-562D-32
25	132	31.7	31	4	US-09-049-698-43
26	111	26.6	228	1	US-08-469-667-9
27	111	26.6	228	1	US-09-224-110-9
28	111	26.6	228	5	PCT-US95-07289-9
29	71	17.0	20	4	US-09-643-597-232
30	71	17.0	20	4	US-09-480-884A-232
31	71	17.0	20	4	US-09-542-615A-232
32	71	17.0	20	4	US-09-606-421B-232
33	67.5	16.2	300	4	US-09-328-352-5636
34	66	15.2	1854	4	US-09-004-838-108
35	64.5	15.5	106	4	US-09-489-039A-11492
36	64	15.3	20	4	US-09-643-597-247
37	64	15.3	20	4	US-09-480-884A-247
38	64	15.3	20	4	US-09-542-615A-247
39	64	15.3	20	4	US-09-606-421B-247
40	63.5	15.2	484	1	US-08-597-236-2
41	63.5	15.2	484	1	US-08-746-682A-2
42	62.5	14.4	340	4	US-09-489-039A-9804
43	62	14.9	857	2	US-08-779-113-2
44	62	14.9	858	2	US-08-583-562B-2
45	61	14.6	456	3	US-08-975-762-66

ALIGNMENTS

RESULT 1

US-09-623-624-6
; Sequence 6, Application US/09623624
; Patent No. 6576434
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/09/623,624
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,472
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,110
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,168
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/980,872
; PRIOR FILING DATE: 1997-12-01

[illegible]

; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
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; PRIOR FILING DATE: 1996-08-23
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; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,110
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,168
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/980,872
; PRIOR FILING DATE: 1997-12-01
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 18
; LENGTH: 903
; TYPE: PRT
; ORGANISM: Bos taurus
US-09-623-624-18

Alignment Scores:
Pred. No.: 1,48e-26 Length: 903
Score: 252.00 Matches: 47
Percent Similarity: 78.21% Conservative: 14
Best Local Similarity: 60.26% Mismatches: 17
Query Match: 60.43% Indels: 0
DB: 4 Gaps: 0

US-09-049-696-12 (1-235) x US-09-623-624-18 (1-903)

QY 1 GACACGCAAAATTCCTCCAGCCCTCTGGTAGTTATGCAAAATATTCGCCAAGGAGCCTCC 60
DB 607 AenThrAlaHisTyrProSerProValIleValTyrAlaGlnValSerGlnGlyPheLeu 626
QY 61 CCAATTCTCAGGCCAGTCTCAGCCCTGATGAATCAATGAATGGAACAGTTACC 120
DB 627 ProValLeuGlyIleAsnValThrAlaIleGluThrGluAspGlyHisGlnValThr 646
QY 121 TTGGAACACTGATTAATGAGCAGGTCTGATGCTACTAAGATCAGCGTCTACTCA 180
DB 647 LeuGluLeuTyrAspAsnGlyAlaGlyAlaAspThrValIleAsnAspGlyIleTyrSer 666
QY 181 AGTATTCTCACAACCTTATGACAGCAATGATGATACAGTGAATGAAGTGGCGCT 234
DB 667 ArgTyrPheThrAspTyrArgGlyAsnGlyArgTyrSerLeuIleValHisAla 684

RESULT 7
US-09-193-562D-34
; Sequence 34, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; FILE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; CURRENT FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 34

; LENGTH: 902
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-193-562D-34

Alignment Scores:
Pred. No.: 2,82e-26 Length: 902
Score: 250.00 Matches: 47
Percent Similarity: 80.26% Conservative: 14
Best Local Similarity: 61.84% Mismatches: 15
Query Match: 59.95% Indels: 0
DB: 4 Gaps: 0

US-09-049-696-12 (1-235) x US-09-193-562D-34 (1-902)

QY 4 ACCAGCAAAATTCCTCCAGCCCTCTGGTAGTTATGCAAAATATTCGCCAAGGAGCCTCCCA 63
DB 606 ThrAlaGlnTyrProSerArgMetIleValTyrAlaArgValSerGlnGlyPheLeuPro 625
QY 64 ATTCTCAGGCCAGTCTCAGCCCTGATGAATCAGTGAATGGAACAGTTACTTG 123
DB 626 ValLeuGlyAlaAsnValThrAlaLeuIleGluAlaGluHisGlnValThrLeu 645
QY 124 GAACTACTGATTAATGAGCAGGTCTGATGCTACTAAGATGACGGTGTCTACTCAAG 183
DB 646 GluLeuTyrAspAsnGlyAlaGlyAlaAspIleValIleValIleValIleTyrThrArg 665
QY 184 TATTTCAACCTTATGACAGCAATGATGATACAGTGAATGAAGTGGGG 231
DB 666 TyrPheThrAspTyrHisGlyAsnGlyArgTyrSerLeuIleValArg 681

RESULT 8

US-09-193-562D-30
; Sequence 30, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:

; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; FILE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; CURRENT FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 30

; LENGTH: 1000
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-193-562D-30

Alignment Scores:
Pred. No.: 7,73e-26 Length: 1000
Score: 247.00 Matches: 46
Percent Similarity: 78.95% Conservative: 14
Best Local Similarity: 60.53% Mismatches: 16
Query Match: 59.23% Indels: 0
DB: 4 Gaps: 0

US-09-049-696-12 (1-235) x US-09-193-562D-30 (1-1000)

QY 1 GACACGCAAAATTCCTCCAGCCCTCTGGTAGTTATGCAAAATATTCGCCAAGGAGCCTCC 60
DB 626 AenThrAlaHisTyrProSerProValIleValTyrAlaCysValSerGlnGlyPheLeu 645
QY 61 CCAATTCTCAGGCCAGTCTCAGCCCTGATGAATGAATGGAACAGTTACC 120
DB 646 ProValLeuGlyIleAsnValThrAlaIleGluAsnGluGluGlnValThr 665
QY 121 TTGGAACACTGATTAATGAGCAGGTCTGATGCTACTAAGATGACGGTGTCTACTCA 180
DB 666 LeuGluLeuCysAspAsnGlyAlaGlyAlaAspSerValIleAsnAspGlyIleTyrSer 685

QY 181 AGTATTTCACAACTTATGACACGAATGTTAGTATACAGTGTAAAGTG 228
Db 686 ArgTyrPheThrAspTyrHisGlyAsnGlyArgTyrSerLeuLysVal 701

RESULT 9

US-09-193-562D-11
; Sequence 11, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 11
; LENGTH: 795
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Variant of Lu-ECAM-1 from bovine endothelial cells
US-09-193-562D-11

Alignment Scores:
Pred. No.: 2,6e-25 Length: 795
Score: 243.00 Matches: 46
Percent Similarity: 75.32% Conservative: 12
Best Local Similarity: 59.74% Mismatches: 19
Query Match: 58.27% Indels: 0
DB: 4 Gaps: 0

US-09-049-696-12 (1-235) x US-09-193-562D-11 (1-795)

QY 4 ACACGAAATTCCTCCAGCCCTCTGTAGTTTATGCAAAATATTCGCAAGAGCCTCCCA 63
Db 609 ThrAlaHisTyrProSerProMetIleValTyrAlaGlnValSerGlnGlyPheLeuPro 628
QY 64 ATTCTCAGGCCAGTGTCTCAGCCCTGATTGAATCAGTGAATGGAACAGTTACTCTTG 123
Db 629 ValLeuGlyIleSerValIleAlaIleIleGluThrGluAspGlyHisGlnValThrLeu 648
QY 124 GAACTACTGTAATGAGCAGGTGCTGATGCTACTAAGGATGACGGTGTCTACTCAAGG 183
Db 649 GluLeuTyrPAspAsnGlyAlaGlyArgAspThrValIysAsnAspGlyIleTyrSerArg 668
QY 184 TATTTCAACTTATGACACGAATGTTAGTATACAGTGTAAAGTGCGGGCT 234
Db 669 TyrPheThrAspTyrTyrGlyAsnGlyArgTyrSerLeuLysValHisAla 685

RESULT 10

US-09-193-562D-12
; Sequence 12, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 12
; LENGTH: 821
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Variant of Lu-ECAM-1 from bovine endothelial cells
US-09-193-562D-12

Alignment Scores:
Pred. No.: 2,63e-25 Length: 821
Score: 243.00 Matches: 46
Percent Similarity: 75.32% Conservative: 12
Best Local Similarity: 59.74% Mismatches: 19
Query Match: 58.27% Indels: 0
DB: 4 Gaps: 0

US-09-049-696-12 (1-235) x US-09-193-562D-12 (1-821)

QY 4 ACACGAAATTCCTCCAGCCCTCTGTAGTTTATGCAAAATATTCGCAAGAGCCTCCCA 63
Db 609 ThrAlaHisTyrProSerProMetIleValTyrAlaGlnValSerGlnGlyPheLeuPro 628
QY 64 ATTCTCAGGCCAGTGTCTCAGCCCTGATTGAATCAGTGAATGGAACAGTTACTCTTG 123
Db 629 ValLeuGlyIleSerValIleAlaIleIleGluThrGluAspGlyHisGlnValThrLeu 648
QY 124 GAACTACTGTAATGAGCAGGTGCTGATGCTACTAAGGATGACGGTGTCTACTCAAGG 183
Db 649 GluLeuTyrPAspAsnGlyAlaGlyArgAspThrValIysAsnAspGlyIleTyrSerArg 668
QY 184 TATTTCAACTTATGACACGAATGTTAGTATACAGTGTAAAGTGCGGGCT 234
Db 669 TyrPheThrAspTyrTyrGlyAsnGlyArgTyrSerLeuLysValHisAla 685

RESULT 11

US-09-193-562D-2
; Sequence 2, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 2
; LENGTH: 905
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Lu-ECAM-1 precursor from bovine endothelial cells
US-09-193-562D-2

Alignment Scores:
Pred. No.: 2,72e-25 Length: 905
Score: 243.00 Matches: 46
Percent Similarity: 75.32% Conservative: 12
Best Local Similarity: 59.74% Mismatches: 19
Query Match: 58.27% Indels: 0
DB: 4 Gaps: 0

US-09-049-696-12 (1-235) x US-09-193-562D-2 (1-905)

QY 4 ACACGAAATTCCTCCAGCCCTCTGTAGTTTATGCAAAATATTCGCAAGAGCCTCCCA 63
Db 609 ThrAlaHisTyrProSerProMetIleValTyrAlaGlnValSerGlnGlyPheLeuPro 628
QY 64 ATTCTCAGGCCAGTGTCTCAGCCCTGATTGAATCAGTGAATGGAACAGTTACTCTTG 123
Db 629 ValLeuGlyIleSerValIleAlaIleIleGluThrGluAspGlyHisGlnValThrLeu 648
QY 124 GAACTACTGTAATGAGCAGGTGCTGATGCTACTAAGGATGACGGTGTCTACTCAAGG 183
Db 649 GluLeuTyrPAspAsnGlyAlaGlyArgAspThrValIysAsnAspGlyIleTyrSerArg 668
QY 184 TATTTCAACTTATGACACGAATGTTAGTATACAGTGTAAAGTGCGGGCT 234
Db 669 TyrPheThrAspTyrTyrGlyAsnGlyArgTyrSerLeuLysValHisAla 685

Db 669 TyrPheThrAspTyrTyrGlyAsnGlyArgTyrSerLeuLysValHisAla 685

RESULT 12

US-09-643-597-170

; Sequence 170, Application US/09643597

; Patent No. 6426072

; GENERAL INFORMATION:

; APPLICANT: Wang, Tongtong

; APPLICANT: Fan, Liqun

; APPLICANT: Kalos, Michael D. S.

; APPLICANT: Bangur, Chaitanya S.

; APPLICANT: Hosken, Nancy

; APPLICANT: Fanger, Gary R.

; APPLICANT: Li, Samuel X.

; APPLICANT: Wang, Alijun

; APPLICANT: Skeiky, Yasir A.W.

; APPLICANT: Henderson, Robert A.

; APPLICANT: McNeill, Patricia D.

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

; FILE REFERENCE: 210121.455C11

; CURRENT APPLICATION NUMBER: US/09/643,597

; CURRENT FILING DATE: 2000-08-21

; NUMBER OF SEQ ID NOS: 369

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 170

; LENGTH: 791

; TYPE: PRT

; ORGANISM: Homo sapien

US-09-643-597-170

Alignment Scores:

Pred. No.: 9,47e-25 Length: 791
Score: 239.00 Matches: 44
Percent Similarity: 76.32% Conservative: 14
Best Local Similarity: 57.89% Mismatches: 18
Query Match: 57.31% Indels: 0
DB: 4 Gaps: 0

US-09-049-696-12 (1-235) x US-09-643-597-170 (1-791)

QY 1 GACACGACAAATTCCTCCAGCCCTCTGGTAGTTTATGCAAAATATTCGCAAGAGCCTCC 60

Db 614 AspSerLeuHisPheProHisProValMetIleTyrAlaAsnValLysGlnGlyPheTyr 633

QY 61 CCAATTCTCAGGCCAGTGTCTACAGCCCTGATGAATCAGTGAATGGAACAGTTTACC 120

Db 634 ProlLeuAsnAlaThrValThrAlaThrValGluProGluThrGlyAspProValThr 653

QY 121 TTGGAACACTGATAATGGAGCAGTGTCTGCTACTAAGGATGACGGTGTCTACTCA 180

Db 654 LeuArgLeuLeuAspAspGlyAlaGlyAlaAspValIleLysAsnAspGlyIleTyrSer 673

QY 181 AGGTATTTCCAACTTATGACACGAATGCTAGATACAGTGTAAAGTG 228

Db 674 ArgTyrPhePheSerPheAlaAlaAsnGlyArgTyrSerLeuLysVal 689

RESULT 13

US-09-480-884A-170

; Sequence 170, Application US/09480884A

; Patent No. 6482597

; GENERAL INFORMATION:

; APPLICANT: Wang, Tongtong

; APPLICANT: Fan, Liqun

; APPLICANT: Hosken, Nancy A.

; APPLICANT: Kalos, Michael D.

; APPLICANT: Fanger, Gary R.

; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY

; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER

; FILE REFERENCE: 210121.455C6

; CURRENT APPLICATION NUMBER: US/09/480,884A

; CURRENT FILING DATE: 2001-08-27

; NUMBER OF SEQ ID NOS: 330

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 170

; LENGTH: 791

; TYPE: PRT

; ORGANISM: Homo sapien

US-09-480-884A-170

Alignment Scores:

Pred. No.: 9,47e-25 Length: 791
Score: 239.00 Matches: 44
Percent Similarity: 76.32% Conservative: 14
Best Local Similarity: 57.89% Mismatches: 18
Query Match: 57.31% Indels: 0
DB: 4 Gaps: 0

US-09-049-696-12 (1-235) x US-09-480-884A-170 (1-791)

QY 1 GACACGACAAATTCCTCCAGCCCTCTGGTAGTTTATGCAAAATATTCGCAAGAGCCTCC 60

Db 614 AspSerLeuHisPheProHisProValMetIleTyrAlaAsnValLysGlnGlyPheTyr 633

QY 61 CCAATTCTCAGGCCAGTGTCTACAGCCCTGATGAATCAGTGAATGGAACAGTTTACC 120

Db 634 ProlLeuAsnAlaThrValThrAlaThrValGluProGluThrGlyAspProValThr 653

QY 121 TTGGAACACTGATAATGGAGCAGTGTCTGCTACTAAGGATGACGGTGTCTACTCA 180

Db 654 LeuArgLeuLeuAspAspGlyAlaGlyAlaAspValIleLysAsnAspGlyIleTyrSer 673

QY 181 AGGTATTTCCAACTTATGACACGAATGCTAGATACAGTGTAAAGTG 228

Db 674 ArgTyrPhePheSerPheAlaAlaAsnGlyArgTyrSerLeuLysVal 689

RESULT 14

US-09-542-615A-170

; Sequence 170, Application US/09542615A

; Patent No. 6518256

; GENERAL INFORMATION:

; APPLICANT: Wang, Tongtong

; APPLICANT: Fan, Liqun

; APPLICANT: Kalos, Michael D.

; APPLICANT: Bangur, Chaitanya S.

; APPLICANT: Hosken, Nancy A.

; APPLICANT: Fanger, Gary R.

; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY

; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER

; FILE REFERENCE: 210121.455C8

; CURRENT APPLICATION NUMBER: US/09/542,615A

; CURRENT FILING DATE: 2000-04-14

; NUMBER OF SEQ ID NOS: 350

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 170

; LENGTH: 791

; TYPE: PRT

; ORGANISM: Homo sapien

US-09-542-615A-170

Alignment Scores:

Pred. No.: 9,47e-25 Length: 791
Score: 239.00 Matches: 44
Percent Similarity: 76.32% Conservative: 14
Best Local Similarity: 57.89% Mismatches: 18
Query Match: 57.31% Indels: 0
DB: 4 Gaps: 0

US-09-049-696-12 (1-235) x US-09-542-615A-170 (1-791)

QY 1 GACACGACAAATTCCTCCAGCCCTCTGGTAGTTTATGCAAAATATTCGCAAGAGCCTCC 60

Db 614 AspSerLeuHisPheProHisProValMetIleTyrAlaAsnValLysGlnGlyPheTyr 633

QY 61 CCAATTCTCAGGCCAGTGTCTACAGCCCTGATGAATCAGTGAATGGAACAGTTTACC 120

Db 654 LeuArgLeuLeuAspAspGlyAlaGlyAlaAspValIleLysAsnAspGlyIleTyrSer 673

QY 181 AGGTATTTCCAACTTATGACACGAATGCTAGATACAGTGTAAAGTG 228

Db 674 ArgTyrPhePheSerPheAlaAlaAsnGlyArgTyrSerLeuLysVal 689

Db 634 ProIleuAsnAlaThrValThrAlaThrValGluProGluThrGlyAspProValThr 653
QY 121 TTGGAACACTGGAATGAGCAGGTGCTGATGCTACTAAGCATGACGCTGTCTACTCA 180
Db 654 LeuArgLeuLeuAspGlyAlaGlyAlaAspValIleLysAsnAspGlyIleTyrSer 673
QY 181 AGGTATTTCACACTTATGACACGAATGGTAGATACAGTGTAAAGTG 228
Db 674 ArgTyrPhePheSerPheAlaAlaAsnGlyArgTyrSerLeuLysVal 689

RESULT 15

US-09-606-421B-170
; Sequence 170, Application US/09606421B
; Patent No. 6531315
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy
; APPLICANT: Fanger, Gary R.
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.455C9
; CURRENT APPLICATION NUMBER: US/09/606,421B
; CURRENT FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 358
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 170
; LENGTH: 791
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-606-421B-170

Alignment Scores:

Pred. No.:	9,47e-25	Length:	791
Score:	239.00	Matches:	44
Percent Similarity:	76.32%	Conservative:	14
Best Local Similarity:	57.89%	Mismatches:	18
Query Match:	57.31%	Indels:	0
DB:	4	Gaps:	0

US-09-049-696-12 (1-235) x US-09-606-421B-170 (1-791)

QY 1 GACACGAGCAATCCCGACCCCTCTGGTAGTTATGCAATATTCGCCAAGGAGCCTCC 60
Db 614 AppSerLeuHisPheProHisProValMetIleTyrAlaAsnValLysGlnGlyPheTyr 633
QY 61 CCAATTCTCAGGCGCAGTGTACAGCCCTCAGTGAATCAGTGAATGGAACACAGTTACC 120
Db 634 ProIleuAsnAlaThrValThrAlaThrValGluProGluThrGlyAspProValThr 653
QY 121 TTGGAACACTGGAATGAGCAGGTGCTGATGCTACTAAGCATGACGCTGTCTACTCA 180
Db 654 LeuArgLeuLeuAspGlyAlaGlyAlaAspValIleLysAsnAspGlyIleTyrSer 673
QY 181 AGGTATTTCACACTTATGACACGAATGGTAGATACAGTGTAAAGTG 228
Db 674 ArgTyrPhePheSerPheAlaAlaAsnGlyArgTyrSerLeuLysVal 689

Search completed: April 21, 2004, 16:22:21
Job time : 15.9919 secs

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GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

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(without alignments)
8424.829 Million cell updates/sec

Title: US-09-049-696-11

Perfect score: 191

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Listing first 45 summaries

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- 15: /cgn2_6/ptodata/2/pubpna/US10C_PUBCOMB.seq.*
- 16: /cgn2_6/ptodata/2/pubpna/US10D_PUBCOMB.seq.*
- 17: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq.*
- 18: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq.*
- 19: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	191	100.0	507	15	US-10-066-543-1693
2	191	100.0	653	14	Sequence 1693, Ap
3	191	100.0	653	15	Sequence 1851, Ap
4	191	100.0	1512	16	US-10-099-926-1851
5	191	100.0	2745	15	Sequence 850, Ap
6	191	100.0	2854	15	US-10-270-595-5
7	191	100.0	2867	15	US-10-106-698-1971
8	191	100.0	3007	15	Sequence 191, Ap
9	191	100.0	3109	15	US-10-055-412B-27
10	191	100.0	3111	9	US-10-106-698-2111
11	191	100.0	3111	9	US-09-823-356-25
12	191	100.0	3111	15	US-09-981-353-191
13	191	100.0	3267	9	US-10-235-994-25
14	191	100.0	3311	9	US-09-764-868-22
15	191	100.0	3311	9	US-09-922-217-1056

15	191	100.0	3311	9	US-09-833-263-1056	Sequence 1056, Ap
16	191	100.0	3311	14	US-10-025-380-1056	Sequence 1056, Ap
17	191	100.0	3311	15	US-10-393-590-11	Sequence 11, Appl
18	191	100.0	3311	15	US-10-393-590-12	Sequence 12, Appl
19	191	100.0	3311	15	US-10-393-590-46	Sequence 46, Appl
20	191	100.0	3311	15	US-10-393-590-47	Sequence 47, Appl
21	191	100.0	3311	15	US-10-393-567-11	Sequence 11, Appl
22	191	100.0	3311	15	US-10-393-567-12	Sequence 12, Appl
23	191	100.0	3311	15	US-10-393-567-46	Sequence 46, Appl
24	191	100.0	3311	15	US-10-393-567-47	Sequence 47, Appl
25	191	100.0	3311	15	US-10-394-087-11	Sequence 11, Appl
26	191	100.0	3311	15	US-10-394-087-12	Sequence 12, Appl
27	191	100.0	3311	15	US-10-394-087-46	Sequence 46, Appl
28	191	100.0	3311	15	US-10-394-087-47	Sequence 47, Appl
29	191	100.0	4569	10	US-09-867-034-3	Sequence 3, Appl
30	191	100.0	4569	13	US-10-276-115-3	Sequence 3, Appl
31	189.4	99.2	527	15	US-10-066-543-2111	Sequence 2111, Ap
32	189.4	99.2	544	15	US-10-066-543-2349	Sequence 2349, Ap
33	177	92.7	455	15	US-10-066-543-2407	Sequence 2407, Ap
34	123.8	64.8	2931	15	US-10-270-595-1	Sequence 1, Appl
35	84	44.0	2754	15	US-10-345-680-33	Sequence 33, Appl
36	84	44.0	3043	14	US-10-025-167-16	Sequence 16, Appl
37	84	44.0	3169	9	US-09-981-353-53	Sequence 53, Appl
38	84	44.0	3169	15	US-10-235-994-15	Sequence 15, Appl
39	84	44.0	3181	14	US-10-025-167-18	Sequence 18, Appl
40	84	44.0	3195	10	US-09-867-034-22	Sequence 22, Appl
41	84	44.0	3195	13	US-10-276-115-22	Sequence 22, Appl
42	84	44.0	3196	15	US-10-158-646-39	Sequence 39, Appl
43	84	44.0	3199	13	US-10-276-774-993	Sequence 993, App
44	84	44.0	3204	15	US-10-345-680-31	Sequence 31, Appl
45	84	44.0	3207	15	US-10-101-510-660	Sequence 660, App

ALIGNMENTS

RESULT 1

US-10-066-543-1693
; Sequence 1693, Application US/10066543
; Publication No. US20030087818A1

GENERAL INFORMATION:

; APPLICANT: Jiang, Yuqiu
; APPLICANT: Pyle, Ruth A.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Indrias, Carol Yoseph
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather
; APPLICANT: Carter, Darrick
; APPLICANT: Fanger, Gary R.
; APPLICANT: Smith, Carole L.
; APPLICANT: Durham, Margarita
; APPLICANT: Stolk, John A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF COLON CANCER
; FILE REFERENCE: 210121.563
; CURRENT APPLICATION NUMBER: US/10/066,543
; CURRENT FILING DATE: 2002-01-31
; NUMBER OF SEQ ID NOS: 3417
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1693
; LENGTH: 507
; TYPE: DNA
; ORGANISM: Homo sapiens

US-10-066-543-1693

Query Match 100.0%; Score 191; DB 15; Length 507;
Best Local Similarity 100.0%; Pred. No. 1.9e-57;
Matches 191; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GCCTTTGTAGTGGACAAAACCAAAATGGCTTACCTCAATCCAGCATTGCTTAAG 60

DB 50 GCCTTTGTAGTGGACAAAACCAAAATGGCTTACCTCAATCCAGCATTGCTTAAG 109


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QY      181 ACCAGCAAAATT 191
      |||||
Db      525 ACCAGCAAAATT 535

RESULT 5
US-10-270-595-5
; Sequence 5, Application US/10270595
; Publication No. US20030078409A1
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/10/270,595
; CURRENT FILING DATE: 2002-10-16
; PRIOR APPLICATION NUMBER: US/09/623,624
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,472
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; PRIOR FILING DATE: 1996-08-23
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 2745
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(2742)
US-10-270-595-5

      Query Match      100.0%; Score 191; DB 15; Length 2745;
      Best Local Similarity 100.0%; Pred. No. 3.6e-57;
      Matches 191; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1      GGCTTTGTAGTGACAAAAACACCAAAATGGCCTACTCCAAATCCAGGCAATTGCTAAG 60
Db      1621  GGCTTTGTAGTGACAAAAACACCAAAATGGCCTACTCCAAATCCAGGCAATTGCTAAG 1680

QY      61      GTTGGCACTTGGAAATACAGTCTGCAAGCAAGCTCACAACCTTGACCTGACTGTCAAG 120
Db      1681  GTTGGCACTTGGAAATACAGTCTGCAAGCAAGCTCACAACCTTGACCTGACTGTCAAG 1740

QY      121      TCCCGTGCCTCCAAATGCTGCAAGCAAGCTCACAACCTTGACCTGACTGTCAAG 180
Db      1741  TCCCGTGCCTCCAAATGCTGCAAGCAAGCTCACAACCTTGACCTGACTGTCAAG 1800

QY      181 ACCAGCAAAATT 191
      |||||
Db      1801 ACCAGCAAAATT 1811

RESULT 6
US-10-106-698-1971

      Query Match      100.0%; Score 191; DB 15; Length 2867;
      Best Local Similarity 100.0%; Pred. No. 3.6e-57;
      Matches 191; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1      GGCTTTGTAGTGACAAAAACACCAAAATGGCCTACTCCAAATCCAGGCAATTGCTAAG 60
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; Sequence 1971, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptides
; FILE REFERENCE: PA005P1
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 1971
; LENGTH: 2854
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-106-698-1971

      Query Match      100.0%; Score 191; DB 15; Length 2854;
      Best Local Similarity 100.0%; Pred. No. 3.6e-57;
      Matches 191; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1      GGCTTTGTAGTGACAAAAACACCAAAATGGCCTACTCCAAATCCAGGCAATTGCTAAG 60
Db      1655  GGCTTTGTAGTGACAAAAACACCAAAATGGCCTACTCCAAATCCAGGCAATTGCTAAG 1714

QY      61      GTTGGCACTTGGAAATACAGTCTGCAAGCAAGCTCACAACCTTGACCTGACTGTCAAG 120
Db      1715  GTTGGCACTTGGAAATACAGTCTGCAAGCAAGCTCACAACCTTGACCTGACTGTCAAG 1774

QY      121      TCCCGTGCCTCCAAATGCTGCAAGCAAGCTCACAACCTTGACCTGACTGTCAAG 180
Db      1775  TCCCGTGCCTCCAAATGCTGCAAGCAAGCTCACAACCTTGACCTGACTGTCAAG 1834

QY      181 ACCAGCAAAATT 191
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Db      1835 ACCAGCAAAATT 1845

RESULT 7
US-10-106-698-351
; Sequence 351, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptides
; FILE REFERENCE: PA005P1
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 351
; LENGTH: 2867
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-106-698-351

      Query Match      100.0%; Score 191; DB 15; Length 2867;
      Best Local Similarity 100.0%; Pred. No. 3.6e-57;
      Matches 191; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1      GGCTTTGTAGTGACAAAAACACCAAAATGGCCTACTCCAAATCCAGGCAATTGCTAAG 60
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Db 1659 GGCTTTGTAGTGGACAAAAACACCAAAATGGCTACCTCCAAATCCAGGCATTGCTAAG 1718
QY 61 GTTGGCACTTGGAAATACAGTCTGCAAGCAAGCTCACAACTTGACCTGACTGTCAAG 120
Db 1719 GTTGGCACTTGGAAATACAGTCTGCAAGCAAGCTCACAACTTGACCTGACTGTCAAG 1778
QY 121 TCCCGTGGCTTCCAAATGCTACCTGCTCCCAATTTACAGTGACTTCCAAAAACGAACGAAGGAC 180
Db 1779 TCCCGTGGCTTCCAAATGCTACCTGCTCCCAATTTACAGTGACTTCCAAAAACGAACGAAGGAC 1838
QY 181 ACCAGCAAAATT 191
Db 1839 ACCAGCAAAATT 1849

RESULT 8

US-10-055-412B-27
; Sequence 27, Application US/10055412B
; Publication No. US20030059861A1
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; FILE REFERENCE: 18617.0058
; CURRENT APPLICATION NUMBER: US/10/055,412B
; CURRENT FILING DATE: 2001-10-29
; PRIOR APPLICATION NUMBER: US/09/193,562
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 27
; LENGTH: 3007
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-055-412B-27

Query Match 100.0%; Score 191; DB 15; Length 3007;
Best Local Similarity 100.0%; Pred. No. 3.7e-57;
Matches 191; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GGCTTTGTAGTGGACAAAAACCAAAATGGCTACCTCCAAATCCAGGCATTGCTAAG 60
Db 1667 GGCTTTGTAGTGGACAAAAACCAAAATGGCTACCTCCAAATCCAGGCATTGCTAAG 1726
QY 61 GTTGGCACTTGGAAATACAGTCTGCAAGCAAGCTCACAACTTGACCTGACTGTCAAG 120
Db 1727 GTTGGCACTTGGAAATACAGTCTGCAAGCAAGCTCACAACTTGACCTGACTGTCAAG 1786
QY 121 TCCCGTGGCTTCCAAATGCTACCTGCTCCCAATTTACAGTGACTTCCAAAAACGAACGAAGGAC 180
Db 1787 TCCCGTGGCTTCCAAATGCTACCTGCTCCCAATTTACAGTGACTTCCAAAAACGAACGAAGGAC 1846
QY 181 ACCAGCAAAATT 191
Db 1847 ACCAGCAAAATT 1857

RESULT 9

US-10-106-698-2111
; Sequence 2111, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide
; FILE REFERENCE: PA005P1
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280

; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 2111
; LENGTH: 3109
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-106-698-2111

Query Match 100.0%; Score 191; DB 15; Length 3109;
Best Local Similarity 100.0%; Pred. No. 3.7e-57;
Matches 191; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GGCTTTGTAGTGGACAAAAACCAAAATGGCTACCTCCAAATCCAGGCATTGCTAAG 60
Db 1508 GGCTTTGTAGTGGACAAAAACCAAAATGGCTACCTCCAAATCCAGGCATTGCTAAG 1567
QY 61 GTTGGCACTTGGAAATACAGTCTGCAAGCAAGCTCACAACTTGACCTGACTGTCAAG 120
Db 1568 GTTGGCACTTGGAAATACAGTCTGCAAGCAAGCTCACAACTTGACCTGACTGTCAAG 1627
QY 121 TCCCGTGGCTTCCAAATGCTACCTGCTCCCAATTTACAGTGACTTCCAAAAACGAACGAAGGAC 180
Db 1628 TCCCGTGGCTTCCAAATGCTACCTGCTCCCAATTTACAGTGACTTCCAAAAACGAACGAAGGAC 1687
QY 181 ACCAGCAAAATT 191
Db 1688 ACCAGCAAAATT 1698

RESULT 10

US-09-823-356-25
; Sequence 25, Application US/09823356
; Patent No. US20010025098A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Bandman, Olga
; APPLICANT: Lal, Preeti
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Yue, Henry
; APPLICANT: Corley, Neil C.
; APPLICANT: Guegler, Karl J.
; APPLICANT: Kasser, Matthew R.
; APPLICANT: Baughn, Mariah R.
; APPLICANT: Shah, Puri
; TITLE OF INVENTION: HUMAN MEMBRANE SPANNING PROTEINS
; FILE REFERENCE: PF-0489-1 CON
; CURRENT APPLICATION NUMBER: US/09/823,356
; CURRENT FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/039,307
; PRIOR FILING DATE: 1998 March 13
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PERL Program
; SEQ ID NO 25
; LENGTH: 3111
; TYPE: DNA
; ORGANISM: Homo sapiens
; NAME/KEY: misc.feature
; OTHER INFORMATION: Incyte ID No. US20010025098A1 1737775
US-09-823-356-25

Query Match 100.0%; Score 191; DB 9; Length 3111;
Best Local Similarity 100.0%; Pred. No. 3.7e-57;
Matches 191; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GGCTTTGTAGTGGACAAAAACCAAAATGGCTACCTCCAAATCCAGGCATTGCTAAG 60
Db 1654 GGCTTTGTAGTGGACAAAAACCAAAATGGCTACCTCCAAATCCAGGCATTGCTAAG 1713
QY 61 GTTGGCACTTGGAAATACAGTCTGCAAGCAAGCTCACAACTTGACCTGACTGTCAAG 120
Db 1714 GTTGGCACTTGGAAATACAGTCTGCAAGCAAGCTCACAACTTGACCTGACTGTCAAG 1773

RESULT 14
US-09-922-217-1056
; Sequence 1056, Application US/09922217
; Patent No. US200706414A1
; GENERAL INFORMATION
; APPLICANT: Xu, Jiangchun
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather
; APPLICANT: Benson, Davin R.

```

; APPLICANT: Meagher, Madeleine Joy
; APPLICANT: Stolk, John A.
; APPLICANT: Wang, Tongtong
; APPLICANT: Jiang, Yugu
; APPLICANT: Smith, Carole Lynn
; APPLICANT: King, Gordon E.
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; TITLE OF INVENTION: OF COLON CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.471C13
; CURRENT APPLICATION NUMBER: US/09/922,217
; CURRENT FILING DATE: 2001-08-03
; NUMBER OF SEQ ID NOS: 1124
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1056
; LENGTH: 3311
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-922-217-1056

Query Match      100.0%; Score 191; DB 9; Length 3311;
Best Local Similarity 100.0%; Pred. No. 3.8e-57;
Matches 191; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1  GCGTTTGTAGTGACAAAACACCAAAATGGCTACCTCCAAATCCAGGCAATTCGCTAAG 60
DB      1972 GCGTTTGTAGTGACAAAACACCAAAATGGCTACCTCCAAATCCAGGCAATTCGCTAAG 2031

QY      61  GTTGGCACTTGGAAATACAGTCTGCAAGCAAGCTCACAACCTTGACCCCTGACTGTCTCAG 120
DB      2032 GTTGGCACTTGGAAATACAGTCTGCAAGCAAGCTCACAACCTTGACCCCTGACTGTCTCAG 2091

QY      121 TCCCGTGCCTCAATGCTACCTGCTCCAAATACAGTACCTCCAAACGAAACGAAAGGAC 180
DB      2092 TCCCGTGCCTCAATGCTACCTGCTCCAAATACAGTACCTCCAAACGAAACGAAAGGAC 2151

QY      181 ACCAGCAAAATT 191
DB      2152 ACCAGCAAAATT 2162

RESULT 15
US-09-833-263-1056
; Sequence 1056, Application US/09833263
; Patent No. US20020110547A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; APPLICANT: Stolk, John A.
; APPLICANT: Meagher, Madeleine J.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF COLON CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.471C12
; CURRENT APPLICATION NUMBER: US/09/833,263
; CURRENT FILING DATE: 2001-04-10
; NUMBER OF SEQ ID NOS: 1093
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1056
; LENGTH: 3311
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-833-263-1056

Query Match      100.0%; Score 191; DB 9; Length 3311;
Best Local Similarity 100.0%; Pred. No. 3.8e-57;
Matches 191; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1  GCGTTTGTAGTGACAAAACACCAAAATGGCTACCTCCAAATCCAGGCAATTCGCTAAG 60
DB      1972 GCGTTTGTAGTGACAAAACACCAAAATGGCTACCTCCAAATCCAGGCAATTCGCTAAG 2031

QY      61  GTTGGCACTTGGAAATACAGTCTGCAAGCAAGCTCACAACCTTGACCCCTGACTGTCTCAG 120
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DB      2032 GTTGGCACTTGGAAATACAGTCTGCAAGCAAGCTCACAACCTTGACCCCTGACTGTCTCAG 2091
QY      121 TCCCGTGCCTCAATGCTACCTGCTCCAAATACAGTACCTCCAAACGAAACGAAAGGAC 180
DB      2092 TCCCGTGCCTCAATGCTACCTGCTCCAAATACAGTACCTCCAAACGAAACGAAAGGAC 2151
QY      181 ACCAGCAAAATT 191
DB      2152 ACCAGCAAAATT 2162
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Search completed: April 24, 2004, 06:38:13
Job time : 103.215 secs

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OM nucleic - nucleic search, using sw model

Run on: April 24, 2004, 00:33:00 ; Search time 17.5568 Seconds
(without alignments)
6037.311 Million cell updates/sec

Title: US-09-049-696-11

Perfect score: 191

Sequence: 1 GGCTTTGAGTGGCAAAAA.....AACAGGACACGCAAAATT 191

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents NA:*

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- 2: /cgn2.6/prodata/2/ina/5B COMB.seq:*
- 3: /cgn2.6/prodata/2/ina/6A COMB.seq:*
- 4: /cgn2.6/prodata/2/ina/6B COMB.seq:*
- 5: /cgn2.6/prodata/2/ina/PCTUS COMB.seq:*
- 6: /cgn2.6/prodata/2/ina/backfilesl.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	191	100.0	1512	4	US-09-016-434-850
2	191	100.0	2745	4	US-09-023-624-5
3	191	100.0	3007	4	US-09-193-562D-27
4	123.8	64.8	2931	4	US-09-623-624-1
5	84	44.0	3043	4	US-09-049-698-16
6	84	44.0	3181	4	US-09-049-698-18
7	51.2	26.8	201	4	US-09-049-698-6
8	35.8	18.7	3317	4	US-09-193-562D-1
9	33.8	17.7	241	4	US-09-049-698-7
10	33.8	17.7	1081	4	US-09-016-434-928
11	33.8	17.7	1399	4	US-09-049-698-17
12	32.6	17.1	3190	4	US-09-623-624-3
13	31	16.2	2773	4	US-09-043-597-358
14	31	16.2	2784	4	US-09-043-597-168
15	31	16.2	2784	4	US-09-480-884A-168
16	31	16.2	2784	4	US-09-542-615A-168
17	31	16.2	2784	4	US-09-606-421B-168
18	31	16.2	2970	4	US-09-193-562D-31
19	31	16.2	3156	4	US-09-319-172-86
20	31	16.2	3951	4	US-09-643-597-160
21	31	16.2	3951	4	US-09-480-884A-160
22	31	16.2	3951	4	US-09-542-615A-160
23	31	16.2	3951	4	US-09-606-421B-160
24	31	16.2	3951	4	US-09-221-107-160
25	31	16.2	8031	4	US-09-643-597-254
26	31	16.2	8031	4	US-09-480-884A-254
27	31	16.2	8031	4	US-09-542-615A-254

28	31	16.2	8031	4	US-09-606-421B-254	Sequence 254, App
29	30.4	15.9	10380	3	US-09-077-354B-3	Sequence 3, Appli
30	29.4	15.4	553	4	US-09-621-976-9411	Sequence 9411, Ap
31	29	15.2	1117	4	US-09-552-225A-11	Sequence 11, Appl
32	29	15.2	1123	3	US-09-188-930-28	Sequence 28, Appl
33	29	15.2	1123	3	US-09-188-930-203	Sequence 203, App
34	29	15.2	1123	4	US-09-312-283C-28	Sequence 28, Appl
35	29	15.2	1123	4	US-09-312-283C-203	Sequence 203, App
36	28.6	15.0	2172	3	US-08-760-615-1	Sequence 1, Appli
37	28.6	15.0	2298	4	US-09-650-086A-1	Sequence 1, Appli
38	28.2	14.8	3418	4	US-09-193-562D-29	Sequence 29, Appl
39	28.2	14.8	3833	1	US-08-917-320-18	Sequence 18, Appl
40	28.2	14.8	3833	5	PCT-US95-04611A-18	Sequence 18, Appl
41	28.2	14.8	5931	3	US-08-783-774-1	Sequence 1, Appli
42	28.2	14.8	5931	4	US-09-556-706B-1	Sequence 1, Appli
43	28.2	14.8	17056	3	US-09-245-041-3	Sequence 3, Appli
44	28	14.7	2183	4	US-09-424-978B-37	Sequence 37, Appl
C 45	28	14.7	1230025	4	US-09-198-452A-1	Sequence 1, Appli

ALIGNMENTS

RESULT 1
US-09-016-434-850
; Sequence 850, Application US/09016434
; Patent No. 6500938
; GENERAL INFORMATION:
; APPLICANT: Janice Au-Young
; APPLICANT: Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING
; TITLE OF INVENTION: PATHWAY GENE EXPRESSION
; NUMBER OF SEQUENCES: 1490
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/016,434
; FILING DATE: HEREWITH
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Zeller, Karen J.
; REGISTRATION NUMBER: 37,071
; REFERENCE/DOCKET NUMBER: PA-0002 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 850:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1512 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: COLNNOT01
; CLONE: 608819
; US-09-016-434-850
Query Match 100.0%; Score 191; DB 4; Length 1512;
Best Local Similarity 100.0%; Pred. No. 2e-60;

Matches	191;	Conservative	0;	Mismatches	0;	Indels	0;	Gaps	0;
QY	1	GGCTTTGTAGTGACAAAAACACAAAAATGGCCTTACCTCCAAATCCCAGGCAATTGCTAAG	60						
Db	345	GGCTTTGTAGTGACAAAAACACAAAAATGGCCTTACCTCCAAATCCCAGGCAATTGCTAAG	404						
QY	61	GTTGGCACTTGGAAATACAGTCTGCAGCAGAGCTCACAAACCTTGACCCCTGACTGTGTCAAG	120						
Db	405	GTTGGCACTTGGAAATACAGTCTGCAGCAGAGCTCACAAACCTTGACCCCTGACTGTGTCAAG	464						
QY	121	TCCCGTGCGTCCCAATGCTACCGTGCCTTCCCAATTACAGTGACTTCCAAAAACGAAACAGGAC	180						
Db	465	TCCCGTGCGTCCCAATGCTACCGTGCCTTCCCAATTACAGTGACTTCCAAAAACGAAACAGGAC	524						
QY	181	ACCAGCAAAATT	191						
Db	525	ACCAGCAAAATT	535						

RESULT 2
US-09-623-624-5
; Sequence 5, Application US/09623624
; Patent No. 6576434
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders

Query Match	100.0%	Score 191;	DB 4;	Length 2745;
Best Local Similarity	100.0%;	Pred. No. 2.8e-60;		
Matches 191;	Conservative	0;	Mismatches 0;	Indels 0;
Gaps	0;			
Qy	1	GGCTTTCTAGTGGCAAAAACACAAAATGCGCTTACTCCAAATCCAGGCATTGCTAAG	60	
Db	1621	GGCTTTCTAGTGGCAAAAACACAAAATGCGCTTACTCCAAATCCAGGCATTGCTAAG	1680	

Qy	61	GTGGGCACTTGGAAATACAGTCTGCAGCAAGCTCAAAACCTTGACCTGACTGTCAAG	120
Db	1681	GTGGCACTTGGAAATACAGTCTGCAGCAAGCTCAAAACCTTGACCTGACTGTCAAG	1740
Qy	121	TCCCGTGCCTCCAAATGCTACCTGCCCTCCAAATTACAGTGACTTCCAAAAGCAACAGGAC	180
Db	1741	TCCCGTGCCTCCAAATGCTACCTGCCCTCCAAATTACAGTGACTTCCAAAAGCAACAGGAC	1800
Qy	181	ACCAGCAAATTT	191
Db	1801	ACCAGCAAATTT	1811

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RESULT 3
US-09-193-562D-27
; Sequence 27, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; CHANNEL-ADHESION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; CURRENT FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 27
; LENGTH: 3007
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-193-562D-27

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Query Match      100.0%; Score 191; DB 4; Length 3007;
Best Local Similarity 100.0%; Pred. No. 2.9e-60;
Matches 191; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy	1	GGCTTTGTAGTGGACAAAAACACCAAAATGGCGCTACCTCCAAATCCAGGCATTGCTAAG	60
Db	1667	GGCTTTGTAGTGGACAAAAACACCAAAATGGCGCTACCTCCAAATCCAGGCATTGCTAAG	1726
Qy	61	GTTGGCACATTGGAAATACATAGTCTGCAAGCAAGCTCACAACCTTGACCCCTGACTGTCAAG	120
Db	1727	GTTGGCACATTGGAAATACATAGTCTGCAAGCAAGCTCACAACCTTGACCCCTGACTGTCAAG	1786
Qy	121	TCCCGTGGCTCCAAATGCTACCTCGCTCCAAATTACAGTGACATTCCTCAAAAACGAACAAGGAC	180
Db	1787	TCCCGTGGCTCCAAATGCTACCTCGCTCCAAATTACAGTGACATTCCTCAAAAACGAACAAGGAC	1846
Qy	181	ACCAGCAAAATT	191
Db	1847	ACCAGCAAAATT	1857

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RESULT 4
US-09-623-624-1
; Sequence 1, Application US/09623624
; Patent No. 6576434
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/09/623,624
; CURRENT FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23

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; PRIOR APPLICATION NUMBER: US 08/697,440
 ; PRIOR FILING DATE: 1996-08-23
 ; PRIOR APPLICATION NUMBER: US 08/697,471
 ; PRIOR FILING DATE: 1996-08-23
 ; PRIOR APPLICATION NUMBER: US 08/697,471
 ; PRIOR FILING DATE: 1996-08-23
 ; PRIOR APPLICATION NUMBER: US 08/697,472
 ; PRIOR FILING DATE: 1996-08-23
 ; PRIOR APPLICATION NUMBER: US 08/697,473
 ; PRIOR FILING DATE: 1996-08-23
 ; PRIOR APPLICATION NUMBER: US 08/702,105
 ; PRIOR FILING DATE: 1996-08-23
 ; PRIOR APPLICATION NUMBER: US 08/702,110
 ; PRIOR FILING DATE: 1996-08-23
 ; PRIOR APPLICATION NUMBER: US 08/702,168
 ; PRIOR FILING DATE: 1996-08-23
 ; PRIOR APPLICATION NUMBER: US 08/980,872
 ; PRIOR FILING DATE: 1997-12-01
 ; NUMBER OF SEQ ID NOS: 18
 ; SOFTWARE: Patent in Ver. 2.0
 ; SEQ ID NO 1
 ; LENGTH: 2931
 ; TYPE: DNA
 ; ORGANISM: Mus musculus
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: (8)..(2746)
 US-09-623-624-1

Query Match 64.8%; Score 123.8; DB 4; Length 2931;
 Best Local Similarity 78.0%; Pred. No. 1.8e-35;
 Matches 149; Conservative 0; Mismatches 42; Indels 0; Gaps 0;
 QY 1 GGCTTTGTAGTGACAAAACACAAATGGCGTACTCCCAATCCAGGCAATGCTAAG 60
 Db 1631 GGTATTACTAGACACACCACTAGGTGGCTACTCCAGTCCAGCGCGCTAAG 1690
 QY 61 GTGGCACTTGGAAATACAGTCTGCAAGCAAGCTCAAAACCTTGACCCCTGACTGTCAG 120
 Db 1691 GTTGGCTTTTGGAAATACAGCACTTCAAGCGAGCTCAGAGCTCTACCTTGACTGTCAAC 1750
 QY 121 TCCGTCGCTCAATGCTACCTCCCTCAATACAGTACTGCTCAAAAGCAAGGAC 180
 Db 1751 TCCGTCGCAAGTGTACACTGCCTCTATTACAGTACCCCGGTAGTGAATAAGAC 1810
 QY 181 ACCAGCAAAATT 191
 Db 1811 ACAGGAAATT 1821

RESULT 5

US-09-049-698-16
 ; Sequence 16, Application US/09049698
 ; Patent No. 6368792
 ; GENERAL INFORMATION:
 ; APPLICANT: BILLING-MEDEL, PATRICIA A.
 ; APPLICANT: COHEN, MAURICE
 ; APPLICANT: COLPITTS, TRACEY L.
 ; APPLICANT: FRIEDMAN, PAULA N.
 ; APPLICANT: HAYDEN, MARK
 ; APPLICANT: KLASS, MICHAEL R.
 ; APPLICANT: ROBERTS-RAPP, LISA
 ; APPLICANT: RUSSELL, JOHN C.
 ; APPLICANT: STROUPE, STEPHEN D.
 ; TITLE OF INVENTION: REAGENTS AND METHODS FOR THE
 ; TITLE OF INVENTION: USEFUL FOR DETECTING DISEASES OF THE GASTROINTESTINAL
 ; TITLE OF INVENTION: TRACT
 ; NUMBER OF SEQUENCES: 51
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Abbott Laboratories
 ; STREET: 100 Abbott Park Road
 ; CITY: Abbott Park
 ; STATE: IL

; COUNTRY: USA
 ; ZIP: 60064-3500
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Diskette
 ; COMPUTER: IBM Compatible
 ; OPERATING SYSTEM: DOS
 ; SOFTWARE: FastSeq for Windows Version 2.0
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/049,698
 ; FILING DATE:
 ; CLASSIFICATION:
 ; PRIOR APPLICATION DATA: 08/828,856
 ; APPLICATION NUMBER: 08/828,856
 ; FILING DATE: 31-MAR-1997
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Becker, Cheryl L.
 ; REGISTRATION NUMBER: 35,441
 ; REFERENCE/DOCKET NUMBER: 6068.US.P1
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 847/935-1729
 ; TELEFAX: 847/938-2623
 ; TELEX:
 ; INFORMATION FOR SEQ ID NO: 16:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 3043 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 US-09-049-698-16

Query Match 44.0%; Score 84; DB 4; Length 3043;
 Best Local Similarity 68.6%; Pred. No. 8.6e-21;
 Matches 133; Conservative 0; Mismatches 55; Indels 6; Gaps 1;
 QY 4 TTGTGACTGCACAAAACACCAAAATGGCTACTCCCAATCCAGGCAATGCTAAGTT 63
 Db 1640 TTCACAGTGGATGCAACTTCCAAAATGGCTATCTCAGTATTCAGGAACCTGCAAGGTG 1699
 QY 64 GGCACTTGGAAATACAGTCTGC-----AAGCAAGCTCAAAAACCTTGACCTGACTGTC 117
 Db 1700 GGCACTTGGCATACATCTTCAAGCCAAAGCGAACCCAGAACATTAATTAACAGTA 1759
 QY 118 AGTCCCGTGGCTCAATGCTACCTGCTCCATTAATTAAGTGAATTCCTCCAAAACGAAACAG 177
 Db 1760 ACTTCTCGAGCAGCAAAATCTTCTGTGCTCCCAATCACAGTGAATGCTAAAATGAATAAG 1819
 QY 178 GACACAGCAAAATT 191
 Db 1820 GACGTAACAGTTT 1833

RESULT 6

US-09-049-698-18
 ; Sequence 18, Application US/09049698
 ; Patent No. 6368792
 ; GENERAL INFORMATION:
 ; APPLICANT: BILLING-MEDEL, PATRICIA A.
 ; APPLICANT: COHEN, MAURICE
 ; APPLICANT: COLPITTS, TRACEY L.
 ; APPLICANT: FRIEDMAN, PAULA N.
 ; APPLICANT: HAYDEN, MARK
 ; APPLICANT: KLASS, MICHAEL R.
 ; APPLICANT: ROBERTS-RAPP, LISA
 ; APPLICANT: RUSSELL, JOHN C.
 ; APPLICANT: STROUPE, STEPHEN D.
 ; TITLE OF INVENTION: REAGENTS AND METHODS FOR THE
 ; TITLE OF INVENTION: USEFUL FOR DETECTING DISEASES OF THE GASTROINTESTINAL
 ; TITLE OF INVENTION: TRACT
 ; NUMBER OF SEQUENCES: 51
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Abbott Laboratories
 ; STREET: 100 Abbott Park Road
 ; CITY: Abbott Park

```
/ STATE: IL
/ COUNTRY: USA
/ ZIP: 60064-3500
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Diskette
/ COMPUTER: IBM Compatible
/ OPERATING SYSTEM: DOS
/ SOFTWARE: FastSEQ for Windows Version 2.0
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/09/049,698
/ FILING DATE:
/ CLASSIFICATION:
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 08/828,856
/ FILING DATE: 31-MAR-1997
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Becker, Cheryl L.
/ REGISTRATION NUMBER: 35,441
/ REFERENCE/DOCKET NUMBER: 6068.US.P1
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 847/935-1729
/ TELEFAX: 847/938-2623
/ TELEX:
/ INFORMATION FOR SEQ ID NO: 18:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 3181 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ US-09-049-698-18

Query Match 44.0%; Score 84; DB 4; Length 3181;
Best Local Similarity 68.6%; Pred. No. 8.8e-21;
Matches 133; Conservative 0; Mismatches 55; Indels 6; Gaps 1;

QY 4 TTTGTAGTGGACAAACCAAAATGGCTACCTCCAAATCCAGGCAATTCGTAAGGTT 63
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1651 TTCACAGTGGATGCACTTCCAAATGGCTATCTCAGTATTCAGGAATCGAAAGGTG 1710
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 64 GGCACCTTGAATACAGTCTGC-----AAGCAAGCTCAAAACCTTGACCTGACTGTC 117
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1711 GGCACCTTGGCATACTTCAAGCAAGGCAACCCAGAAACATTAATCTATTACAGTA 1770
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 118 AGTCCCGGCGTCCAAATGCTACCTCCCTCCCAATTTACAGTCACTTCCAAACGACAG 177
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1771 ACTTCTCGAGCAGCAAAATCTTCTGTGCTCCCAATCACAGTGAATGCTAAATGAATAAG 1830
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 178 GACACCGCAAAATT 191
   ||||| ||||| |||||
Db 1831 GACGTAACAGTTT 1844
   ||||| ||||| |||||

RESULT 7
US-09-049-698-6
; Sequence 6, Application US/09049698
; Patent No. 6368792
; GENERAL INFORMATION:
; APPLICANT: BILLING-MEDEL, PATRICIA A.
; APPLICANT: COHEN, MAURICE
; APPLICANT: COLPITTS, TRACEY L.
; APPLICANT: FRIEDMAN, PAULA N.
; APPLICANT: HAYDEN, MARK
; APPLICANT: KLASS, MICHAEL R.
; APPLICANT: ROBERTS-RAPP, LISA
; APPLICANT: RUSSELL, JOHN C.
; APPLICANT: STROUPE, STEPHEN D.
; TITLE OF INVENTION: REAGENTS AND METHODS FOR THE
; TITLE OF INVENTION: USEFUL FOR DETECTING DISEASES OF THE GASTROINTESTINAL
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Abbott Laboratories
; STREET: 100 Abbott Park Road
```

```
/ CITY: Abbott Park
/ STATE: IL
/ COUNTRY: USA
/ ZIP: 60064-3500
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Diskette
/ COMPUTER: IBM Compatible
/ OPERATING SYSTEM: DOS
/ SOFTWARE: FastSEQ for Windows Version 2.0
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/09/049,698
/ FILING DATE:
/ CLASSIFICATION:
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 08/828,856
/ FILING DATE: 31-MAR-1997
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Becker, Cheryl L.
/ REGISTRATION NUMBER: 35,441
/ REFERENCE/DOCKET NUMBER: 6068.US.P1
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 847/935-1729
/ TELEFAX: 847/938-2623
/ TELEX:
/ INFORMATION FOR SEQ ID NO: 6:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 201 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ FEATURE:
/ NAME/KEY: base_polymorphism
/ LOCATION: 24
/ OTHER INFORMATION: /note= " N' represents an A or G or
/ OTHER INFORMATION: T or C polymorphism at this position"
/ US-09-049-698-6

Query Match 26.8%; Score 51.2; DB 4; Length 201;
Best Local Similarity 73.9%; Pred. No. 2.6e-09;
Matches 65; Conservative 0; Mismatches 23; Indels 0; Gaps 0;

QY 4 TTTGTAGTGGACAAACCAAAATGGCTACCTCCAAATCCAGGCAATTCGTAAGGTT 63
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 104 TTCACAGTGGATGCACTTCCAAATGGCTATCTCAGTATTCAGGAATCGAAAGGTG 163
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 64 GGCACCTTGAATACAGTCTCGAAGCAA 91
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 164 GGCACCTTGGCATAACAATCTTCAAGCCA 191
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

RESULT 8
US-09-193-562D-1
; Sequence 1, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; CURRENT FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 1
; LENGTH: 3317
; TYPE: DNA
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: sequence encoding Lu-ECAM-1 and Lu-ECAM-1 associated
; OTHER INFORMATION: protein from bovine endothelial cells
/ US-09-193-562D-1
```


Query Match 18.7%; Score 35.8; DB 4; Length 3317;
Best Local Similarity 57.4%; Pred. No. 0.0054;
Matches 89; Conservative 0; Mismatches 57; Indels 9; Gaps 1;

QY 37 CTCCTCAATCCAGGCACTTGAAGTTGGCACTTGGCAATACAGTCT-----GCAA 87
DB 1734 CTGCAATACCTGGTATTGAGAGAGAGTACTTGGCACTTACAGCCTTTAAATAATCAT 1793

QY 88 GCAAGTCTCAAAACCTTGACCCCTGACTGTACCTCCCGTCCGTCCTCAATGCTACCTGCCT 147
DB 1794 GCAGCTCTCAATGCTTAACAGTGACAGTACCTGACCACTCGAGCAGAGAGTCTTACTATACC 1853

QY 148 CCAATTACAGTACTTCCAAACGACACAGGAC 182
DB 1854 CCAGTAATTGCAACAGCTCACATGAGTCAACATAC 1888

RESULT 9
US-09-049-698-7
; Sequence 7, Application US/09049698
; Patent No. 6368792
; GENERAL INFORMATION:
; APPLICANT: BILLING-MEDEL, PATRICIA A.
; APPLICANT: COHEN, MAURICE
; APPLICANT: COLPITTS, TRACEY L.
; APPLICANT: FRIEDMAN, PAULA N.
; APPLICANT: HAYDEN, MARK
; APPLICANT: KLASS, MICHAEL R.
; APPLICANT: ROBERTS-RAPP, LISA
; APPLICANT: RUSSELL, JOHN C.
; APPLICANT: STROUPE, STEPHEN D.
; TITLE OF INVENTION: REAGENTS AND METHODS FOR THE
; TITLE OF INVENTION: USEFUL FOR DETECTING DISEASES OF THE GASTROINTESTINAL
; TITLE OF INVENTION: TRACT
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Abbott Laboratories
; STREET: 100 Abbott Park Road
; CITY: Abbott Park
; STATE: IL
; COUNTRY: USA
; ZIP: 60064-3500
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/049,698
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/828,856
; FILING DATE: 31-MAR-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Becker, Cheryl L.
; REGISTRATION NUMBER: 35,441
; REFERENCE/DOCKET NUMBER: 6068.US.P1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 847/935-1729
; TELEFAX: 847/938-2623
; TELEX:
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 241 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-09-049-698-7

Query Match 17.7%; Score 33.8; DB 4; Length 241;
Best Local Similarity 72.1%; Pred. No. 0.0076;
Matches 44; Conservative 0; Mismatches 17; Indels 0; Gaps 0;

QY 131 CCAATGCTACCTGCTCCCAATTACAGTCACTTCCAAAACGAAACAGGACACCAGCAAT 190
DB 2 CAAATCTTCTGTGCTCCCAATCACAGTGAATGCTAAATGAATAAGGACGTAACAGTT 61

QY 191 T 191
DB 62 T 62

RESULT 10
US-09-016-434-928
; Sequence 928, Application US/09016434
; Patent No. 6500938
; GENERAL INFORMATION:
; APPLICANT: Janice Au-Young
; APPLICANT: Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING
; TITLE OF INVENTION: PATHWAY GENE EXPRESSION
; NUMBER OF SEQUENCES: 1490
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/016,434
; FILING DATE: HEREWITH
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Zeller, Karen J.
; REGISTRATION NUMBER: 37,071
; REFERENCE/DOCKET NUMBER: PA-0002 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 928:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1081 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: COLNNOT05
; CLONE: 774419
US-09-016-434-928

Query Match 17.7%; Score 33.8; DB 4; Length 1081;
Best Local Similarity 72.1%; Pred. No. 0.017;
Matches 44; Conservative 0; Mismatches 17; Indels 0; Gaps 0;

QY 131 CCAATGCTACCTGCTCCCAATTACAGTCACTTCCAAAACGAAACAGGACACCAGCAAT 190
DB 2 CAAATCTTCTGTGCTCCCAATCACAGTGAATGCTAAATGAATAAGGACGTAACAGTT 61

QY 191 T 191
DB 62 T 62

RESULT 11
US-09-049-698-17


```
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 358
; LENGTH: 2773
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-643-597-358

Query Match      16.2%; Score 31; DB 4; Length 2773;
Best Local Similarity 57.9%; Pred. No. 0.29;
Matches 55; Conservative 0; Mismatches 40; Indels 0; Gaps 0;

QY 97 CAACCTTGACCTGACTGTGACGTCCTCGCTGCGTCCAAATGCTACCTGCTCCCAATTACA 156
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1693 CAAGCCCTGAAAGTGACGTGACCTCTCGGCTCCAAATCTCAGCTGTGCCCCGAGCCACT 1752
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 157 GTGACTTCCAAACGAAACGAGGACACAGCAAAATT 191
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1753 GTGGAAGCCTTTGTGGAAGAGACAGCCTCCATT 1787
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

RESULT 14
US-09-643-597-168
; Sequence 168, Application US/09643597
; Patent No. 6426072
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy R.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Henderson, Robert A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.455C11
; CURRENT APPLICATION NUMBER: US/09/643,597
; CURRENT FILING DATE: 2000-08-21
; NUMBER OF SEQ ID NOS: 369
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 168
; LENGTH: 2784
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-643-597-168

Query Match      16.2%; Score 31; DB 4; Length 2784;
Best Local Similarity 57.9%; Pred. No. 0.29;
Matches 55; Conservative 0; Mismatches 40; Indels 0; Gaps 0;

QY 97 CAACCTTGACCTGACTGTGACGTCCTCGCTGCGTCCAAATGCTACCTGCTCCCAATTACA 156
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1835 CAAGCCCTGAAAGTGACGTGACCTCTCGGCTCCAAATCTCAGCTGTGCCCCGAGCCACT 1894
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 157 GTGACTTCCAAACGAAACGAGGACACAGCAAAATT 191
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1895 GTGGAAGCCTTTGTGGAAGAGACAGCCTCCATT 1929
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

RESULT 15
US-09-480-884A-168
; Sequence 168, Application US/09480884A
; Patent No. 6482597
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Hosken, Nancy A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY
```

```
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.455C6
; CURRENT APPLICATION NUMBER: US/09/480,884A
; CURRENT FILING DATE: 2001-08-27
; NUMBER OF SEQ ID NOS: 330
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 168
; LENGTH: 2784
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-480-884A-168

Query Match      16.2%; Score 31; DB 4; Length 2784;
Best Local Similarity 57.9%; Pred. No. 0.29;
Matches 55; Conservative 0; Mismatches 40; Indels 0; Gaps 0;

QY 97 CAACCTTGACCTGACTGTGACGTCCTCGCTGCGTCCAAATGCTACCTGCTCCCAATTACA 156
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1835 CAAGCCCTGAAAGTGACGTGACCTCTCGGCTCCAAATCTCAGCTGTGCCCCGAGCCACT 1894
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 157 GTGACTTCCAAACGAAACGAGGACACAGCAAAATT 191
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1895 GTGGAAGCCTTTGTGGAAGAGACAGCCTCCATT 1929
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

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Job time : 18.5568 secs
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OM nucleic - protein search, using frame_plus_n2p model

Run on: April 21, 2004, 16:13:49 ; Search time 27.4984 Seconds
(without alignments)
3840.718 Million cell updates/sec

Title: US-09-049-696-11

Perfect score: 365

Sequence: 1 GCCTTTGTAGTGACAAAAA.....AACAGGACACGCAAAATT 191

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Ygapop 10.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
Delgap 6.0 , Delext 7.0

Searched: 1133595 seqs, 276475211 residues

Total number of hits satisfying chosen parameters: 2267190

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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-DB=Published Applications_AA_QPWT=fastan_SUFFIX=n2p.rapb_MINMATCH=0.1
-LOOPCL=0 -LOOPEXT=0 -UNITS=bits -START=1 -END=1 -MATRIX=blosum62
-TRANS=human40.cdi -LIST=45 -DOCLALIGN=200 -THR SCORE=pct -THR MAX=100
-THR MIN=0 -ALIGN=15 -MODE=LOCAL -OUTFMT=ptc -NORM=ext -HEAPSIZ=500 -MINLEN=0
-MAXLEN=200000000 -USFR=US09049696 @CIGN 1 1 139 @runat_21042004_154838_21265
-NCPU=6 -ICPU=3 -NO MMAP -LARGEQUERY -NEG SCORES=0 -WAIT -DSPBLOCK=100
-LONGLOG -DEV_TIMEOUT=120 -WARN_TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5
-FGAPOP=6 -FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database :

Published Applications AA:*
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6: /cgn2_6/ptodata/2/pubpaa/PCTUS_PUBCOMB.pep.*
7: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB.pep.*
8: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep.*
9: /cgn2_6/ptodata/2/pubpaa/US09A_PUBCOMB.pep.*
10: /cgn2_6/ptodata/2/pubpaa/US09B_PUBCOMB.pep.*
11: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pep.*
12: /cgn2_6/ptodata/2/pubpaa/US09A_NEW_PUB.pep.*
13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pep.*
14: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep.*
15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pep.*
16: /cgn2_6/ptodata/2/pubpaa/US10D_NEW_PUB.pep.*
17: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep.*
18: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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ALIGNMENTS

RESULT 1

US-10-106-698-4628

; Sequence 4628, Application US/10106698

; Publication No. US20030109690A1

; GENERAL INFORMATION:

; APPLICANT: Ruben et al.

; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptides

; FILE REFERENCE: PA005P1

; CURRENT APPLICATION NUMBER: US/10/106,698

; PRIOR FILING DATE: 2002-03-27

; PRIOR APPLICATION NUMBER: PCT/US00/26524

; PRIOR FILING DATE: 2000-09-28

; PRIOR APPLICATION NUMBER: US 60/157,137

; PRIOR FILING DATE: 1999-09-29

; PRIOR APPLICATION NUMBER: US 60/163,280

; NUMBER OF SEQ ID NOS: 8564

; SOFTWARE: PatentIn Ver. 3.0

; SEQ ID NO 4628

; LENGTH: 552

; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-106-698-4628

1	315	86.3	552	14	US-10-106-698-4628	Sequence 4628, Ap
2	315	86.3	869	14	US-10-106-698-6388	Sequence 6388, Ap
3	315	86.3	914	9	US-09-823-356-8	Sequence 8, Appli
4	315	86.3	914	9	US-09-922-217-1066	Sequence 1066, Ap
5	315	86.3	914	9	US-09-833-263-1066	Sequence 1066, Ap
6	315	86.3	914	9	US-09-981-353-192	Sequence 192, App
7	315	86.3	914	11	US-09-833-245-2054	Sequence 2054, Ap
8	315	86.3	914	13	US-10-025-380-1066	Sequence 1066, Ap
9	315	86.3	914	14	US-10-055-412B-28	Sequence 28, Appli
10	315	86.3	914	14	US-10-270-595-6	Sequence 6, Appli
11	315	86.3	914	14	US-10-235-994-26	Sequence 26, Appli
12	315	86.3	914	14	US-10-060-255-42	Sequence 42, Appli
13	315	86.3	914	15	US-10-369-214-133	Sequence 133, App
14	315	86.3	925	9	US-09-764-868-635	Sequence 635, App
15	315	86.3	925	14	US-10-106-698-6248	Sequence 6248, Ap
16	246	67.4	913	14	US-10-270-595-2	Sequence 2, Appli
17	246	67.4	913	15	US-10-369-214-132	Sequence 132, Appl
18	207	56.7	917	9	US-09-981-353-54	Sequence 54, Appli
19	207	56.7	917	13	US-10-025-167-41	Sequence 41, Appli
20	207	56.7	917	14	US-10-235-994-16	Sequence 16, Appli
21	207	56.7	917	14	US-10-345-680-32	Sequence 32, Appli
22	207	56.7	917	15	US-10-369-214-134	Sequence 134, App
23	207	56.7	917	15	US-10-087-080-34	Sequence 34, Appli
24	207	56.7	919	9	US-09-989-722-379	Sequence 379, App
25	207	56.7	919	9	US-09-989-723-379	Sequence 379, App
26	207	56.7	919	9	US-09-989-727-379	Sequence 379, App
27	207	56.7	919	9	US-09-989-727-379	Sequence 379, App
28	207	56.7	919	9	US-09-989-731-379	Sequence 379, App
29	207	56.7	919	9	US-09-989-732-379	Sequence 379, App
30	207	56.7	919	9	US-09-991-073-379	Sequence 379, App
31	207	56.7	919	9	US-09-990-442-379	Sequence 379, App
32	207	56.7	919	9	US-09-991-163-379	Sequence 379, App
33	207	56.7	919	9	US-09-993-604-379	Sequence 379, App
34	207	56.7	919	9	US-09-990-456-379	Sequence 379, App
35	207	56.7	919	9	US-09-989-721-379	Sequence 379, App
36	207	56.7	919	9	US-09-992-598-379	Sequence 379, App
37	207	56.7	919	9	US-09-989-293A-379	Sequence 379, App
38	207	56.7	919	9	US-09-989-735-379	Sequence 379, App
39	207	56.7	919	9	US-09-990-444-379	Sequence 379, App
40	207	56.7	919	9	US-09-991-181-379	Sequence 379, App
41	207	56.7	919	9	US-09-989-730-379	Sequence 379, App
42	207	56.7	919	9	US-09-990-436-379	Sequence 379, App
43	207	56.7	919	9	US-09-993-687-379	Sequence 379, App
44	207	56.7	919	10	US-09-989-734-379	Sequence 379, App
45	207	56.7	919	10	US-09-997-653-379	Sequence 379, App

Alignment Scores:
Pred. No.: 2,36e-31 Length: 552
Score: 315.00 Matches: 63
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 86.30% Indels: 0
DB: 14 Gaps: 0

US-09-049-696-11 (1-191) x US-10-106-698-4628 (1-552)

QY 1 GCCTTTGTAGTGACAAAAACCAAAATGGCTACCTCCAAATCCAGGCATTGCTAAG 60
Db 179 GlyPheValValAspLysAsnThrLysMetAlaTyrLeuGlnIleProGlyIleAlaLys 198
QY 61 GTTGGCACTTGGAAATACAGTCTGCAAGCAAGCTCAAAACCTTGACCTGACTGTCACG 120
Db 199 ValGlyThrTriPlySerLeuGlnAlaSerSerGlnThrLeuThrValThr 218
QY 121 TCCCGTGCCTCCAATGCTACCTGCTCCCAATTACAGTCACTTCCAAAACGAACAGGAC 180
Db 219 SerArgAlaSerAsnAlaThrLeuProProlleThrValThrSerLysThrAsnLysAsp 238
QY 181 ACCAGCAAA 189
Db 239 ThrSerLys 241

RESULT 2
US-10-106-698-6388
; Sequence 6388, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide
; FILE REFERENCE: PA005P1
; CURRENT APPLICATION NUMBER: US/10/106,698
; PRIOR FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 6388
; LENGTH: 869
; TYPE: PRT
; ORGANISM: Homo sapiens
; NAME/KEY: MISC FEATURE
; LOCATION: (14)_FEATURE
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

US-10-106-698-6388

Alignment Scores:
Pred. No.: 2,55e-31 Length: 869
Score: 315.00 Matches: 63
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 86.30% Indels: 0
DB: 14 Gaps: 0

US-09-049-696-11 (1-191) x US-10-106-698-6388 (1-869)

QY 1 GCCTTTGTAGTGACAAAAACCAAAATGGCTACCTCCAAATCCAGGCATTGCTAAG 60
Db 496 GlyPheValValAspLysAsnThrLysMetAlaTyrLeuGlnIleProGlyIleAlaLys 515
QY 61 GTTGGCACTTGGAAATACAGTCTGCAAGCAAGCTCAAAACCTTGACCTGACTGTCACG 120
Db 516 ValGlyThrTriPlySerLeuGlnAlaSerSerGlnThrLeuThrValThr 535
QY 121 TCCCGTGCCTCCAATGCTACCTGCTCCCAATTACAGTCACTTCCAAAACGAACAGGAC 180

Db 536 SerArgAlaSerAsnAlaThrLeuProProlleThrValThrSerLysThrAsnLysAsp 555
QY 181 ACCAGCAAA 189
Db 556 ThrSerLys 558

RESULT 3
US-09-823-356-8
; Sequence 8, Application US/09823356
; Patent No. US20010025098A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Bandman, Olga
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Yue, Henry
; APPLICANT: Corley, Neil C.
; APPLICANT: Guegler, Karl J.
; APPLICANT: Kaser, Matthew R.
; APPLICANT: Baughn, Mariah R.
; APPLICANT: Shah, Purvi
; TITLE OF INVENTION: HUMAN MEMBRANE SPANNING PROTEINS
; FILE REFERENCE: PF-0489-1 CON
; CURRENT APPLICATION NUMBER: US/09/823,356
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/039,307
; PRIOR FILING DATE: 1998 March 13
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PERL Program
; SEQ ID NO 8
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20010025098A1 1737775

US-09-823-356-8

Alignment Scores:
Pred. No.: 2,57e-31 Length: 914
Score: 315.00 Matches: 63
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 86.30% Indels: 0
DB: 9 Gaps: 0

US-09-049-696-11 (1-191) x US-09-823-356-8 (1-914)

QY 1 GCCTTTGTAGTGACAAAAACCAAAATGGCTACCTCCAAATCCAGGCATTGCTAAG 60
Db 541 GlyPheValValAspLysAsnThrLysMetAlaTyrLeuGlnIleProGlyIleAlaLys 560
QY 61 GTTGGCACTTGGAAATACAGTCTGCAAGCAAGCTCAAAACCTTGACCTGACTGTCACG 120
Db 561 ValGlyThrTriPlySerLeuGlnAlaSerSerGlnThrLeuThrValThr 580
QY 121 TCCCGTGCCTCCAATGCTACCTGCTCCCAATTACAGTCACTTCCAAAACGAACAGGAC 180
Db 581 SerArgAlaSerAsnAlaThrLeuProProlleThrValThrSerLysThrAsnLysAsp 600
QY 181 ACCAGCAAA 189
Db 601 ThrSerLys 603

RESULT 4
US-09-922-217-1066
; Sequence 1066, Application US/09922217
; Patent No. US20020076414A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather

```
; APPLICANT: Benson, Darin R.
; APPLICANT: Meagher, Madeleine Joy
; APPLICANT: Stolk, John A.
; APPLICANT: Wang, Tongtong
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Smith, Carole Lynn
; APPLICANT: King, Gordon E.
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; FILE OF INVENTION: OF COLON CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.471C13
; CURRENT APPLICATION NUMBER: US/09/922,217
; CURRENT FILING DATE: 2001-08-03
; NUMBER OF SEQ ID NOS: 1124
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1066
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-922-217-1066

Alignment Scores:
Pred. No.: 2,57e-31 Length: 914
Score: 315.00 Matches: 63
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 86.30% Indels: 0
DB: 9 Gaps: 0

US-09-049-696-11 (1-191) x US-09-922-217-1066 (1-914)
QY 1 GGCTTTGTAGTGACAAAAACCAAAATGGCTTACCTCCAAATCCAGGCATTGCTAAG 60
Db 541 GlyPheValValAspLysAsnThrLysMetAlaTyrLeuGlnIleProGlyIleAlaLys 560
QY 61 GTTGGCATTGGAATACAGTCTGCAAGCAAGCTCAAAACCTTGACCCCTGACTGTCAAG 120
Db 561 ValGlyThrTrpLysTyrSerLeuGlnAlaSerSerGlnThrLeuThrValThr 580
QY 121 TCCCGTGGCTGCAATGCTACCTCCCTCCCAATACAGTACTTCCAAACGAAACAGGAC 180
Db 581 SerArgAlaSerAsnAlaThrLeuProProlleThrValThrSerLysThrAsnLysAsp 600
QY 181 ACCAGCAAA 189
Db 601 ThrSerLys 603

RESULT 5
US-09-833-263-1066
; Sequence 1066, Application US/09833263
; Patent No. US20020110547A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; APPLICANT: Stolk, John A.
; APPLICANT: Meagher, Madeleine J.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND
; FILE OF INVENTION: DIAGNOSIS OF COLON CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.471C12
; CURRENT APPLICATION NUMBER: US/09/833,263
; CURRENT FILING DATE: 2001-04-10
; NUMBER OF SEQ ID NOS: 1093
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1066
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-833-263-1066

Alignment Scores:
Pred. No.: 2,57e-31 Length: 914
Score: 315.00 Matches: 63
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Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 86.30% Indels: 0
DB: 9 Gaps: 0

US-09-049-696-11 (1-191) x US-09-833-263-1066 (1-914)
QY 1 GGCTTTGTAGTGACAAAAACCAAAATGGCTTACCTCCAAATCCAGGCATTGCTAAG 60
Db 541 GlyPheValValAspLysAsnThrLysMetAlaTyrLeuGlnIleProGlyIleAlaLys 560
QY 61 GTTGGCATTGGAATACAGTCTGCAAGCAAGCTCAAAACCTTGACCCCTGACTGTCAAG 120
Db 561 ValGlyThrTrpLysTyrSerLeuGlnAlaSerSerGlnThrLeuThrValThr 580
QY 121 TCCCGTGGCTGCAATGCTACCTCCCTCCCAATACAGTACTTCCAAACGAAACAGGAC 180
Db 581 SerArgAlaSerAsnAlaThrLeuProProlleThrValThrSerLysThrAsnLysAsp 600
QY 181 ACCAGCAAA 189
Db 601 ThrSerLys 603

RESULT 6
US-09-981-353-192
; Sequence 192, Application US/09981353
; Patent No. US20020160382A1
; GENERAL INFORMATION:
; APPLICANT: Laeek, Amy W.
; APPLICANT: Jones, David A.
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0038 US
; CURRENT APPLICATION NUMBER: US/09/981,353
; CURRENT FILING DATE: 2001-10-11
; NUMBER OF SEQ ID NOS: 194
; SOFTWARE: PERL Program
; SEQ ID NO 192
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20020160382A1 1737775CD1
US-09-981-353-192

Alignment Scores:
Pred. No.: 2,57e-31 Length: 914
Score: 315.00 Matches: 63
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 86.30% Indels: 0
DB: 9 Gaps: 0

US-09-049-696-11 (1-191) x US-09-981-353-192 (1-914)
QY 1 GGCTTTGTAGTGACAAAAACCAAAATGGCTTACCTCCAAATCCAGGCATTGCTAAG 60
Db 541 GlyPheValValAspLysAsnThrLysMetAlaTyrLeuGlnIleProGlyIleAlaLys 560
QY 61 GTTGGCATTGGAATACAGTCTGCAAGCAAGCTCAAAACCTTGACCCCTGACTGTCAAG 120
Db 561 ValGlyThrTrpLysTyrSerLeuGlnAlaSerSerGlnThrLeuThrValThr 580
QY 121 TCCCGTGGCTGCAATGCTACCTCCCTCCCAATACAGTACTTCCAAACGAAACAGGAC 180
Db 581 SerArgAlaSerAsnAlaThrLeuProProlleThrValThrSerLysThrAsnLysAsp 600
QY 181 ACCAGCAAA 189
Db 601 ThrSerLys 603

RESULT 7
US-09-833-245-2054
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; Sequence 2054, Application US/09833245
; Publication No. US2004010134A1
; GENERAL INFORMATION:
; APPLICANT: Human Genome Sciences, Inc.
; TITLE OF INVENTION: Albumin Fusion Proteins
; FILE REFERENCE: PF546PCT
; CURRENT APPLICATION NUMBER: US/09/833,245
; CURRENT FILING DATE: 2001-04-12
; PRIOR APPLICATION NUMBER: 60/229, 358
; PRIOR FILING DATE: 2000-04-12
; PRIOR APPLICATION NUMBER: 60/256, 931
; PRIOR FILING DATE: 2000-12-21
; PRIOR APPLICATION NUMBER: 60/199, 384
; PRIOR FILING DATE: 2000-04-25
; NUMBER OF SEQ ID NOS: 2267
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2054
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-833-245-2054

Alignment Scores:
Pred. No.: 2,578-31 Length: 914
Score: 315.00 Matches: 63
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 86.30% Indels: 0
DB: 11 Gaps: 0

US-09-049-696-11 (1-191) x US-09-833-245-2054 (1-914)
QY 1 GGCTTTGTAGTGACAAAACACCAAAATGGCTACTCCAAATCCAGGCATTGCTAAG 60
Db 541 GlyPheValValAspLysAsnThrLysMetAlaTyrLeuGlnIleProGlyIleAlaLys 560
QY 61 GTTGGCACTTGGAAATACAGTCTGCAAGCAAGCTCACAAACCTTGACCTGACTGTCACG 120
Db 561 ValGlyThrTrpLysTyrSerLeuGlnAlaSerSerGlnThrLeuThrValThr 580
QY 121 TCCCGTGGCTCCAATGCTACCTGCTCCAATTCAGTCACTTCCAAAACGACCAAGGAC 180
Db 581 SerArgAlaSerAsnAlaThrLeuProProlThrValThrSerLysThrAsnLysAsp 600
QY 181 ACCAGCAAA 189
Db 601 ThrSerLys 603

RESULT 8
US-10-025-380-1066
; Sequence 1066, Application US/10025380
; Publication No. US2002018219A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather
; APPLICANT: Benson, Darin R.
; APPLICANT: Meagher, Madeleine Joy
; APPLICANT: Stolk, John A.
; APPLICANT: Wang, Tongtong
; APPLICANT: Jiang, Yugu
; APPLICANT: Smith, Carole L.
; APPLICANT: King, Gordon E.
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; APPLICANT: Skeiky, Yasir A. W.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darick
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; OF COLON CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.471C14
; CURRENT APPLICATION NUMBER: US/10/025,380
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; CURRENT FILING DATE: 2001-12-19
; NUMBER OF SEQ ID NOS: 1129
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1066
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-025-380-1066

Alignment Scores:
Pred. No.: 2,578-31 Length: 914
Score: 315.00 Matches: 63
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 86.30% Indels: 0
DB: 13 Gaps: 0

US-09-049-696-11 (1-191) x US-10-025-380-1066 (1-914)
QY 1 GGCTTTGTAGTGACAAAACACCAAAATGGCTACTCCAAATCCAGGCATTGCTAAG 60
Db 541 GlyPheValValAspLysAsnThrLysMetAlaTyrLeuGlnIleProGlyIleAlaLys 560
QY 61 GTTGGCACTTGGAAATACAGTCTGCAAGCAAGCTCACAAACCTTGACCTGACTGTCACG 120
Db 561 ValGlyThrTrpLysTyrSerLeuGlnAlaSerSerGlnThrLeuThrValThr 580
QY 121 TCCCGTGGCTCCAATGCTACCTGCTCCAATTCAGTCACTTCCAAAACGACCAAGGAC 180
Db 581 SerArgAlaSerAsnAlaThrLeuProProlThrValThrSerLysThrAsnLysAsp 600
QY 181 ACCAGCAAA 189
Db 601 ThrSerLys 603

RESULT 9
US-10-055-412B-28
; Sequence 28, Application US/10055412B
; Publication No. US20030059861A1
; GENERAL INFORMATION:
; APPLICANT: Paull, Benedict U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0058
; CURRENT APPLICATION NUMBER: US/10/055,412B
; CURRENT FILING DATE: 2001-10-29
; PRIOR APPLICATION NUMBER: US/09/193,562
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 28
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-055-412B-28

Alignment Scores:
Pred. No.: 2,578-31 Length: 914
Score: 315.00 Matches: 63
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 86.30% Indels: 0
DB: 14 Gaps: 0

US-09-049-696-11 (1-191) x US-10-055-412B-28 (1-914)
QY 1 GGCTTTGTAGTGACAAAACACCAAAATGGCTACTCCAAATCCAGGCATTGCTAAG 60
Db 541 GlyPheValValAspLysAsnThrLysMetAlaTyrLeuGlnIleProGlyIleAlaLys 560
QY 61 GTTGGCACTTGGAAATACAGTCTGCAAGCAAGCTCACAAACCTTGACCTGACTGTCACG 120
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Db 561 ValGlyThrTrpLysTyrSerLeuGlnAlaSerSerGlnThrLeuThrLeuThrValThr 580
QY 121 TCCGTCGCTCAATGCTACCTGCTCCCAATACAGTACCTCCAAAACGAAACAGGAC 180
Db 581 SerArgAlaSerAsnAlaThrLeuProPoleThrValThrSerLysThrAsnLysASP 600
QY 181 ACCAGCAA 189
Db 601 ThrSerLys 603
RESULT 10
US-10-270-595-6
; Sequence 6, Application US/10270595
; Publication No. US20030078409A1
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/10/270,595
; CURRENT FILING DATE: 2002-10-16
; PRIOR APPLICATION NUMBER: US/09/623,624
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,472
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; PRIOR FILING DATE: 1996-08-23
; Remaining prior application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-270-595-6
Alignment Scores:
Pred. No.: 2,57e-31 Length: 914
Score: 315.00 Matches: 63
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 86.30% Indels: 0
DB: 14 Gaps: 0
US-09-049-696-11 (1-191) x US-10-270-595-6 (1-914)
QY 1 GGCTTTGTAGTGGACAAAACCAAAATGGCTACCTCCAAATCCAGGCAATTGCTAAG 60
Db 541 GlyPheValValAspLysAsnThrLysMetAlaTyrLeuGlnIleProGlyIleAlaLys 560
QY 61 GTTGGCACTTGGAAATACAGTCTGCAAGCAAGCTCAAAACCTTGACCTGACTGTACG 120
Db 561 ValGlyThrTrpLysTyrSerLeuGlnAlaSerSerGlnThrLeuThrValThr 580
QY 121 TCCGTCGCTCCAATGCTACCTGCTCCCAATACAGTACCTCCAAAACGAAACAGGAC 180
Db 581 SerArgAlaSerAsnAlaThrLeuProPoleThrValThrSerLysThrAsnLysASP 600
RESULT 11
US-10-235-994-26
; Sequence 26, Application US/10235994
; Publication No. US20030101002A1
; GENERAL INFORMATION:
; APPLICANT: Bartha, Gabor
; APPLICANT: Walker, Michael
; FILE REFERENCE: ICYTP012
; TITLE OF INVENTION: METHODS FOR ANALYZING GENE EXPRESSION PATTERNS
; CURRENT APPLICATION NUMBER: US/10/235,994
; CURRENT FILING DATE: 2002-09-04
; PRIOR APPLICATION NUMBER: US/10/003,608
; PRIOR FILING DATE: 2001-11-01
; PRIOR APPLICATION NUMBER: 60/245,081
; PRIOR FILING DATE: 2000-11-01
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 26
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Human
US-10-235-994-26
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Pred. No.: 2,57e-31 Length: 914
Score: 315.00 Matches: 63
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 86.30% Indels: 0
DB: 14 Gaps: 0
US-09-049-696-11 (1-191) x US-10-235-994-26 (1-914)
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Db 541 GlyPheValValAspLysAsnThrLysMetAlaTyrLeuGlnIleProGlyIleAlaLys 560
QY 61 GTTGGCACTTGGAAATACAGTCTGCAAGCAAGCTCAAAACCTTGACCTGACTGTACG 120
Db 561 ValGlyThrTrpLysTyrSerLeuGlnAlaSerSerGlnThrLeuThrValThr 580
QY 121 TCCGTCGCTCCAATGCTACCTGCTCCCAATACAGTACCTCCAAAACGAAACAGGAC 180
Db 581 SerArgAlaSerAsnAlaThrLeuProPoleThrValThrSerLysThrAsnLysASP 600
RESULT 12
US-10-060-255-42
; Sequence 42, Application US/10060255
; Publication No. US20030113840A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 25 Human secreted proteins
; FILE REFERENCE: P2042P1
; CURRENT APPLICATION NUMBER: US/10/060,255
; CURRENT FILING DATE: 2002-02-01
; PRIOR APPLICATION NUMBER: 09/781,417
; PRIOR FILING DATE: 2001-02-13
; PRIOR APPLICATION NUMBER: PCT/US00/22325
; PRIOR FILING DATE: 2000-08-16
; PRIOR APPLICATION NUMBER: 60/149,182
; PRIOR FILING DATE: 1999-08-17
; NUMBER OF SEQ ID NOS: 86
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 42
; LENGTH: 914
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; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-060-255-42

Alignment Scores:
Pred. No.: 2,57e-31 Length: 914
Score: 315.00 Matches: 63
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 86.30% Indels: 0
DB: 14 Gaps: 0

US-09-049-696-11 (1-191) x US-10-060-255-42 (1-914)

QY 1 GCCTTTGTAGTGACAAAACCAAAATGGCTACCTCCAAATCCAGGCATTGCTAAG 60
Db 541 GlyPheValValAspLysAsnThrLysMetAlaTyLeuGlnIleProGlyIleAlaLys 560
QY 61 GTTGGCACTTGGAAATACAGTCTGCAAGCAAGCTCACAACCTTGACCTGACTGTCCAGC 120
Db 561 ValGlyThrTrpLysTySerLeuGlnAlaSerSerGlnThrLeuThrValThr 580
QY 121 TCCCGTGCCTCAATGCTACCTGCTCCAAATACAGTACCTCCAAAACGAAAGGAC 180
Db 581 SerArgAlaSerAsnAlaThrLeuProProlIleThrValThrSerLysThrAsnLysAsp 600
QY 181 ACCAGCAAA 189
Db 601 ThrSerLys 603

RESULT 13

US-10-369-214-133

; Sequence 133, Application US/10369214
; Publication No. US20030232037A1
; GENERAL INFORMATION:
; APPLICANT: Grocot, Pieter C.
; APPLICANT: Bergenhenegouwen van, Bram J.
; APPLICANT: Oosterhout van, Antoon J.M.
; TITLE OF INVENTION: Genes involved in immune related responses observed
; TITLE OF INVENTION: with asthma
; FILE REFERENCE: P53837US00
; CURRENT APPLICATION NUMBER: US/10/369,214
; CURRENT FILING DATE: 2003-02-15
; PRIOR APPLICATION NUMBER: EP 00202867.8
; PRIOR FILING DATE: 2000-08-16
; PRIOR APPLICATION NUMBER: PCT/NL01/00610
; PRIOR FILING DATE: 2001-08-16
; NUMBER OF SEQ ID NOS: 139
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 133
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (1)..(914)
; OTHER INFORMATION: /note="Human CLC1"
US-10-369-214-133

Alignment Scores:
Pred. No.: 2,57e-31 Length: 914
Score: 315.00 Matches: 63
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 86.30% Indels: 0
DB: 15 Gaps: 0

US-09-049-696-11 (1-191) x US-10-369-214-133 (1-914)

QY 1 GCCTTTGTAGTGACAAAACCAAAATGGCTACCTCCAAATCCAGGCATTGCTAAG 60
Db 541 GlyPheValValAspLysAsnThrLysMetAlaTyLeuGlnIleProGlyIleAlaLys 560

QY 61 GTTGGCACTTGGAAATACAGTCTGCAAGCAAGCTCACAACCTTGACCTGACTGTCCAGC 120
Db 561 ValGlyThrTrpLysTySerLeuGlnAlaSerSerGlnThrLeuThrValThr 580
QY 121 TCCCGTGCCTCAATGCTACCTGCTCCAAATACAGTACCTCCAAAACGAAAGGAC 180
Db 581 SerArgAlaSerAsnAlaThrLeuProProlIleThrValThrSerLysThrAsnLysAsp 600
QY 181 ACCAGCAAA 189
Db 601 ThrSerLys 603

RESULT 14

US-09-764-868-635
; Sequence 635, Application US/09764868
; Patent No. US20020188711A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PT232
; CURRENT APPLICATION NUMBER: US/09/764,868
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 1510
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 635
; LENGTH: 925
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-764-868-635

Alignment Scores:
Pred. No.: 2,57e-31 Length: 925
Score: 315.00 Matches: 63
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 86.30% Indels: 0
DB: 9 Gaps: 0

US-09-049-696-11 (1-191) x US-09-764-868-635 (1-925)

QY 1 GCCTTTGTAGTGACAAAACCAAAATGGCTACCTCCAAATCCAGGCATTGCTAAG 60
Db 552 GlyPheValValAspLysAsnThrLysMetAlaTyLeuGlnIleProGlyIleAlaLys 571
QY 61 GTTGGCACTTGGAAATACAGTCTGCAAGCAAGCTCACAACCTTGACCTGACTGTCCAGC 120
Db 572 ValGlyThrTrpLysTySerLeuGlnAlaSerSerGlnThrLeuThrValThr 591
QY 121 TCCCGTGCCTCAATGCTACCTGCTCCAAATACAGTACCTCCAAAACGAAAGGAC 180
Db 592 SerArgAlaSerAsnAlaThrLeuProProlIleThrValThrSerLysThrAsnLysAsp 611
QY 181 ACCAGCAAA 189
Db 612 ThrSerLys 614

RESULT 15

US-10-106-698-6248
; Sequence 6248, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptides
; FILE REFERENCE: PA005P1
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03

; NUMBER OF SEQ ID NOS: 9564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 6248
; LENGTH: 925
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-106-698-6248

Alignment Scores:
Pred. No.: 2.57e-31 Length: 925
Score: 315.00 Matches: 63
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 86.30% Indels: 0
DB: 14 Gaps: 0

US-09-049-696-11 (1-191) x US-10-106-698-6248 (1-925)

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DB	552	GlyPheValValAspLysAsnThrLysMetAlaTyrLeuGlnIleProGlyIleAlaLys	571
QY	61	GTTGGCACTTGGAAATACAGTCTGCAAGCAAGCTCACAAACCTTGACCCCTGACTGTCACG	120
DB	572	ValGlyThrTrpLysTyrSerLeuGlnAlaSerSerGlnThrLeuThrLeuThrValThr	591
QY	121	TCCCGTGCCTCCCAATGCTACCCCTGCCTCCCAATACAGTGACTTCCAAACGAAACAAAGGAC	180
DB	592	SerArgAlaSerAsnAlaThrLeuProProlleThrValThrSerLysThrAsnLysAsp	611
QY	181	ACCAGCAAA	189
DB	612	ThrSerLys	614

Search completed: April 21, 2004, 16:39:13
Job time : 37.4984 secs

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GenCore version 5.1.6
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OM nucleic - protein search, using frame_plus_n2p model

Run on: April 21, 2004, 16:13:29 ; Search time 9.74662 Seconds
(without alignments)
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Perfect score: 365
Sequence: 1 GCCTTTGTAGTGACAAAAA.....AACAGGACACCAAGCAATT 191

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Ygapop 10.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 778828

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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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-LOOPEXT=0 -UNITS=bits -START=1 -END=1 -MATRIX=blosum62 -TRANS=human40.cdi
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-FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database : Issued Patents AA:*
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6: /cgn2_6/ptodata/2/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	315	86.3	914	4	US-09-193-562D-28
2	315	86.3	914	4	US-09-623-624-6
3	246	67.4	913	4	US-09-623-624-2
4	207	56.7	917	4	US-09-049-698-41
5	153	41.9	795	4	US-09-193-562D-11
6	153	41.9	821	4	US-09-193-562D-12
7	153	41.9	905	4	US-09-193-562D-2
8	151	41.4	903	4	US-09-193-562D-46
9	146	40.0	903	4	US-09-623-624-18
10	124.5	34.1	791	4	US-09-643-597-170
11	124.5	34.1	791	4	US-09-480-884A-170
12	124.5	34.1	791	4	US-09-542-615A-170

13	124.5	34.1	791	4	US-09-606-421B-170	Sequence 170, App
14	124.5	34.1	920	4	US-09-643-597-357	Sequence 357, App
15	124.5	34.1	942	4	US-09-919-172-87	Sequence 87, App
16	124.5	34.1	943	4	US-09-643-597-161	Sequence 161, App
17	124.5	34.1	943	4	US-09-480-884A-161	Sequence 161, App
18	124.5	34.1	943	4	US-09-542-615A-161	Sequence 161, App
19	124.5	34.1	943	4	US-09-606-421B-161	Sequence 161, App
20	124.5	34.1	943	4	US-09-623-624-4	Sequence 4, Appli
21	124.5	34.1	943	4	US-09-221-107-161	Sequence 161, App
22	121.5	33.3	943	4	US-09-193-562D-32	Sequence 32, Appl
23	115.5	31.6	1000	4	US-09-193-562D-30	Sequence 30, Appl
24	115	31.5	902	4	US-09-193-562D-34	Sequence 34, Appl
25	68.5	18.9	299	4	US-09-489-039A-9428	Sequence 9428, Ap
26	66	18.1	252	2	US-08-414-657D-56	Sequence 56, Appl
27	66	18.1	252	2	US-08-414-657D-57	Sequence 57, Appl
28	66	18.1	287	2	US-08-414-657D-48	Sequence 48, Appl
29	66	18.1	287	2	US-08-414-657D-49	Sequence 49, Appl
30	66	18.1	304	2	US-08-414-657D-44	Sequence 44, Appl
31	66	18.1	308	2	US-08-414-657D-46	Sequence 46, Appl
32	66	18.1	310	2	US-08-414-657D-45	Sequence 45, Appl
33	66	18.1	315	2	US-08-414-657D-47	Sequence 47, Appl
34	66	18.1	325	2	US-08-414-657D-2	Sequence 2, Appli
35	66	18.1	325	2	US-08-414-657D-41	Sequence 41, Appl
36	66	18.1	325	2	US-09-135-080-2	Sequence 2, Appli
37	66	18.1	338	2	US-08-414-657D-42	Sequence 42, Appl
38	66	18.1	338	2	US-08-414-657D-43	Sequence 43, Appl
39	66	18.1	338	2	US-08-414-657D-60	Sequence 60, Appl
40	66	18.1	338	4	US-09-135-080-4	Sequence 4, Appli
41	66	18.1	338	4	US-09-135-080-8	Sequence 8, Appli
42	66	18.1	338	4	US-09-576-594-404	Sequence 404, App
43	63	17.3	349	3	US-09-009-620-2	Sequence 2, Appli
44	63	17.4	575	4	US-09-489-039A-12024	Sequence 12024, A
45	63	17.3	592	4	US-09-643-597-169	Sequence 169, App

ALIGNMENTS

RESULT 1
US-09-193-562D-28
; Sequence 28, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; CURRENT FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 28
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-193-562D-28

Alignment Scores:				
Pred. No.:	1.22e-33	Length:	914	
Score:	315.00	Matches:	63	
Percent Similarity:	100.00%	Conservative:	0	
Best Local Similarity:	100.00%	Mismatches:	0	
Query Match:	86.30%	Indels:	0	
DB:	4	Gaps:	0	
US-09-049-696-11 (1-191) x US-09-193-562D-28 (1-914)				
QY	1	GCCTTTGTAGTGACAAAAACACCAAAATGGCTACTCCAAATCCAGCATTCGTAAG	60	
Db	541	GlyPheValValAspIysShanthrLysMetAlaTyLeuGlnIleProGlyIleAlaLys	560	
QY	61	GTTCGACCTTGAAATACAGTCTGCAAGCAAGCTCAAAACCTTGACCTGACTGTCACG	120	


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QY 181 ACCAGCAA 189
Db 602 ThrGlyLys 604

RESULT 4
US-09-049-698-41
; Sequence 41, Application US/09049698
; Patent No. 6368792
; GENERAL INFORMATION:
; APPLICANT: BILLING-MEDEL, PATRICIA A.
; APPLICANT: COHEN MAURICE
; APPLICANT: COLPITTS, TRACEY L.
; APPLICANT: FRIEDMAN, PAULA N.
; APPLICANT: HAYDEN, MARK
; APPLICANT: KLASS, MICHAEL R.
; APPLICANT: ROBERTS-RAPP, LISA
; APPLICANT: RUSSELL, JOHN C.
; APPLICANT: STROUPE, STEPHEN D.
; TITLE OF INVENTION: REAGENTS AND METHODS FOR THE
; TITLE OF INVENTION: USEFUL FOR DETECTING DISEASES OF THE GASTROINTESTINAL
; TITLE OF INVENTION: TRACT
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Abbott Laboratories
; STREET: 100 Abbott Park Road
; CITY: Abbott Park
; STATE: IL
; COUNTRY: USA
; ZIP: 60064-3500
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/049,698
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/828,856
; FILING DATE: 31-MAR-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Becker, Cheryl L.
; REGISTRATION NUMBER: 35,441
; REFERENCE/DOCKET NUMBER: 6068.US.P1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 847/935-1729
; TELEFAX: 847/938-2623
; TELEX:
; INFORMATION FOR SEQ ID NO: 41:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 917 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: No. 6368792e
US-09-049-698-41

Alignment Scores:
Pred. No.: 3-51e-19 Length: 917
Score: 207.00 Matches: 40
Percent Similarity: 80.95% Conservative: 11
Best Local Similarity: 63.49% Mismatches: 10
Query Match: 56.71% Indels: 2
DB: 4 Gaps: 1

US-09-049-696-11 (1-191) x US-09-049-698-41 (1-917)

QY 4 TTTGTAGTGACAAAACCAAAATGGCTACTCCAAATCCAGGCATTGCTAAGTT 63
Db 543 PheThrValAspAlaThrSerLysMetAlaThrLeuSerIleProGlyThrAlaLysVal 562
QY 64 GGCACTTGGAAATACAGTCTGCAAGCAAGCTCA-----CAAACTTTGACCTTGACTGTC 117

QY 181 ACCAGCAA 189
Db 602 ThrGlyLys 604

RESULT 5
US-09-193-562D-11
; Sequence 11, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; CURRENT FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 11
; LENGTH: 795
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Variant of Lu-ECAM-1 from bovine endothelial cells
US-09-193-562D-11

Alignment Scores:
Pred. No.: 5-74e-12 Length: 795
Score: 153.00 Matches: 34
Percent Similarity: 69.23% Conservative: 11
Best Local Similarity: 52.31% Mismatches: 16
Query Match: 41.92% Indels: 4
DB: 4 Gaps: 2

US-09-049-696-11 (1-191) x US-09-193-562D-11 (1-795)

QY 4 TTTGTAGTGACAAA---AACACCAAAATGGCTACTCCAAATCCAGGCATTGCTAAG 60
Db 546 PheLysGluAspLysLeuAsnIleArgSerAlaArgLeuGlnIleProGlyIleAlaGlu 565
QY 61 GTTGCACTTGGAAATACAGTCTG-----CAAGCAAGCTCAAAACCTTGACCTG 111
Db 566 ThrGlyThrTrpThrTyrSerLeuLeuAsnHisAlaSerSerGlnMetLeuThrVal 585
QY 112 ACTGTACGTCGCGTCCCAATGCTACCGCTCCCAATGCTACCGCTCCCAATGCTACGCTCAAAACG 171
Db 586 ThrValThrArgAlaArgSerProThrIleProProValIleAlaThrAlaHisMet 605
QY 172 AACAGGACACCCAGC 186
Db 606 SerGlnHisThrAla 610

RESULT 6
US-09-193-562D-12
; Sequence 12, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; CURRENT FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
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; SEQ ID NO 12
; LENGTH: 821
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Variant of Lu-ECAM-1 from bovine endothelial cells
US-09-193-562D-12

Alignment Scores:
Pred. No.: 5,79e-12 Length: 821
Score: 153.00 Matches: 34
Percent Similarity: 69.23% Conservative: 11
Best Local Similarity: 52.31% Mismatches: 16
Query Match: 41.92% Indels: 4
DB: 2 Gaps: 2

US-09-049-696-11 (1-191) x US-09-193-562D-12 (1-821)
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Db 546 PheLysGluAspLysLeuAsnIleArgSerAlaArgLeuGlnIleProGlyIleAlaGlu 565
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QY 61 GTTGGCACTTGGAAATACAGTCTG-----CAAGCAAGCTCAAAACCTTGACCCCTG 111
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Db 566 ThrGlyThrTripThrTyrSerLeuLeuAsnAsnHisAlaSerSerGlnMetLeuThrVal 585
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 112 ACTGTCACGTCCTGGCGTCCCAATGCTACCTGCTCCCAATACAGTGACTTCCAAAAGC 171
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 586 ThrValThrArgAlaArgSerProThrIleProProValIleAlaThrAlaHisMet 605
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 172 AACAGGACACGAC 186
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 606 SerGlnHisThrAla 610
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RESULT 7
US-09-193-562D-2
; Sequence 2, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; CURRENT FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 2
; LENGTH: 905
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Lu-ECAM-1 precursor from bovine endothelial cells
US-09-193-562D-2

Alignment Scores:
Pred. No.: 5,93e-12 Length: 905
Score: 153.00 Matches: 34
Percent Similarity: 69.23% Conservative: 11
Best Local Similarity: 52.31% Mismatches: 16
Query Match: 41.92% Indels: 4
DB: 2 Gaps: 2

US-09-049-696-11 (1-191) x US-09-193-562D-2 (1-905)
QY 4 TTGTAGTGGACAAA---AACACCAAAATGGCTACCTCCAAATCCAGGCATTGCTAAG 60
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Db 546 PheLysGluAspLysLeuAsnIleArgSerAlaArgLeuGlnIleProGlyIleAlaGlu 565
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 61 GTTGGCACTTGGAAATACAGTCTG-----CAAGCAAGCTCAAAACCTTGACCCCTG 111
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 566 ThrGlyThrTripThrTyrSerLeuLeuAsnAsnHisAlaSerSerGlnMetLeuThrVal 585
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QY 112 ACTGTCACGTCCTGGCGTCCCAATGCTACCTGCTCCCAATACAGTGACTTCCAAAAGC 171
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Db 586 ThrValThrArgAlaArgSerProThrIleProProValIleAlaThrAlaHisMet 605
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 172 AACAGGACACGAC 186
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 606 SerGlnHisThrAla 610
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RESULT 8
US-09-193-562D-46
; Sequence 46, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; CURRENT FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 46
; LENGTH: 903
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Calcium sensitive chloride channel from bovine tracheal
; OTHER INFORMATION: epithelium (Cunningham et al., 1995, J. Biol Chem., 270:31016-
US-09-193-562D-46

Alignment Scores:
Pred. No.: 1.1e-11 Length: 903
Score: 151.00 Matches: 34
Percent Similarity: 67.69% Conservative: 10
Best Local Similarity: 52.31% Mismatches: 17
Query Match: 41.37% Indels: 4
DB: 2 Gaps: 2

US-09-049-696-11 (1-191) x US-09-193-562D-46 (1-903)
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   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 545 PheLysGluAspLysLeuAsnIleHisSerAlaArgLeuArgIleProGlyIleAlaGlu 564
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 61 GTTGGCACTTGGAAATACAGTCTG-----CAAGCAAGCTCAAAACCTTGACCCCTG 111
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 565 ThrGlyThrTripThrTyrSerLeuLeuAsnAsnHisAlaSerProGlnIleLeuThrVal 584
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 112 ACTGTCACGTCCTGGCGTCCCAATGCTACCTGCTCCCAATACAGTGACTTCCAAAAGC 171
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 585 ThrValThrArgAlaArgSerProThrIleProProValThrAlaThrAlaHisMet 604
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 172 AACAGGACACGAC 186
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Db 605 AsnGlnAsnThrAla 609
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RESULT 9
US-09-623-624-18
; Sequence 18, Application US/09623624
; Patent No. 6576434
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; FILE REFERENCE: Atopic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/09/623,624
; CURRENT FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
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; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,472
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,110
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,168
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/980,872
; PRIOR FILING DATE: 1997-12-01
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 18
; TYPE: PRT
; ORGANISM: Bos taurus
US-09-623-624-18

Alignment Scores:
Pred. No.: 5,13e-11 Length: 903
Score: 146.00 Matches: 33
Percent Similarity: 67.69% Conservative: 11
Best Local Similarity: 50.77% Mismatches: 17
Query Match: 40.00% Indels: 4
DB: 2

US-09-049-696-11 (1-191) x US-09-623-624-18 (1-903)
QY 4 TTTGTAGTGGACAAA---AACACCAAAATGGCTACTCCAAATCCAGGCATTGCTAAG 60
Db 545 PheLysGluAspLysLeuAsnHisSerAlaArgLeuArgIleProGlyIleAlaGlu 564
QY 61 GTTGCACTTGGAAATACAGTCTG-----CAAGCAAGCTCACAACCTTGACCCGTG 111
Db 565 ThrGlyThrTyrThrTyrSerLeuLeuAsnHisAlaSerProGlnIleLeuThrVal 584
QY 112 ACTGTCACGTCCGCGCTGCTCAATGCTACCTGCTCCAAATACAGTACTTCCAAACG 171
Db 585 ThrValThrArgAlaArgSerProThrThrProProValThrAlaThrAlaHisMet 604
QY 172 AACAGGACACGAC 186
Db 605 SerGlnAsnThrAla 609

RESULT 10
US-09-643-597-170
; Sequence 170, Application US/09643597
; Patent No. 6426072
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy
; APPLICANT: Fanger, Gary R.
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Henderson, Robert A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
```

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; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.455C11
; CURRENT APPLICATION NUMBER: US/09/643,597
; CURRENT FILING DATE: 2000-08-21
; NUMBER OF SEQ ID NOS: 369
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 170
; LENGTH: 791
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-643-597-170

Alignment Scores:
Pred. No.: 3.75e-08 Length: 791
Score: 124.50 Matches: 28
Percent Similarity: 60.32% Conservative: 10
Best Local Similarity: 44.44% Mismatches: 22
Query Match: 34.11% Indels: 3
DB: 1

US-09-049-696-11 (1-191) x US-09-643-597-170 (1-791)
QY 4 TTTGTAGTGGACAAAACACCAAAATGGCTACTCCAAATCCAGGCATTGCTAAGTT 63
Db 553 PheIleThrAsnLeuThrPheArgThrAlaSerLeuTrpIleProGlyThrAlaLysPro 572
QY 64 GGCACCTTGGAAATACAGTCTG-----CAAGCAAGCTCACAACCTTGACCCGTGACT 114
Db 573 GlyHisTyrThrTyrThrLeuAsnAsnThrHisHisSerLeuGlnAlaLeuLysValThr 592
QY 115 GTCACGTCCGCGCTGCTCAATGCTACTCCCTGCTCCAAATACAGTACTTCCAAACGAA 174
Db 593 ValThrSerArgAlaSerAsnSerAlaValProProAlaThrValGluAlaPheValGlu 612
QY 175 AAGGACACC 183
Db 613 ArgAspSer 615

RESULT 11
US-09-480-884A-170
; Sequence 170, Application US/09480884A
; Patent No. 6482537
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Hosken, Nancy A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY
; FILE REFERENCE: 210121.455C6
; CURRENT APPLICATION NUMBER: US/09/480,884A
; CURRENT FILING DATE: 2001-08-27
; NUMBER OF SEQ ID NOS: 330
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 170
; LENGTH: 791
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-480-884A-170

Alignment Scores:
Pred. No.: 3.75e-08 Length: 791
Score: 124.50 Matches: 28
Percent Similarity: 60.32% Conservative: 10
Best Local Similarity: 44.44% Mismatches: 22
Query Match: 34.11% Indels: 3
DB: 1

US-09-049-696-11 (1-191) x US-09-480-884A-170 (1-791)
QY 4 TTTGTAGTGGACAAAACACCAAAATGGCTACTCCAAATCCAGGCATTGCTAAGTT 63
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Db 553 PheileThrAsnLeuThrPheArgThrAlaSerLeuTrpIleProGlyThrAlaLysPro 572
QY 64 GCACCTTGAATACAGTCTG-----CAAGCAAGCTCACAACCTTGACCTGACT 114
Db 573 GlyHisTrpThrTyThrLeuAsnAsnThrHisSerLeuGlnAlaLysValThr 592
QY 115 GTCACGTCCTCGCGCTCAATGCTACCTCCCAATTCAGTCACTTCCAAAACGAAAC 174
Db 593 ValThrSerArgAlaSerAsnSerAlaValProProAlaThrValGluAlaPheValGlu 612
QY 175 AAGGACACC 183
Db 613 ArgAspSer 615

RESULT 12
US-09-542-615A-170
; Sequence 170, Application US/09542615A
; Patent No. 6518256
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy A.
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY
; FILE REFERENCE: 210121.455C8
; CURRENT APPLICATION NUMBER: US/09/542,615A
; CURRENT FILING DATE: 2000-04-14
; NUMBER OF SEQ ID NOS: 350
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 170
; LENGTH: 791
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-542-615A-170

Alignment Scores:
Pred. No.: 3,75e-08 Length: 791
Score: 124.50 Matches: 28
Percent Similarity: 60.32% Conservative: 10
Best Local Similarity: 44.44% Mismatches: 22
Query Match: 34.11% Indels: 3
DB: 4 Gaps: 1

US-09-049-696-11 (1-191) x US-09-542-615A-170 (1-791)
QY 4 TTTGTAGTGGACAAAACACCAAAATGGCTACCTCCAAATCCAGGCAATTGCTAAGGTT 63
Db 553 PheileThrAsnLeuThrPheArgThrAlaSerLeuTrpIleProGlyThrAlaLysPro 572
QY 64 GCACCTTGAATACAGTCTG-----CAAGCAAGCTCACAACCTTGACCTGACT 114
Db 573 GlyHisTrpThrTyThrLeuAsnAsnThrHisSerLeuGlnAlaLysValThr 592
QY 115 GTCACGTCCTCGCGCTCAATGCTACCTCCCAATTCAGTCACTTCCAAAACGAAAC 174
Db 593 ValThrSerArgAlaSerAsnSerAlaValProProAlaThrValGluAlaPheValGlu 612
QY 175 AAGGACACC 183
Db 613 ArgAspSer 615

RESULT 13
US-09-606-421B-170
; Sequence 170, Application US/09606421B
; Patent No. 651315
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.455C11
; CURRENT APPLICATION NUMBER: US/09/643,597
; CURRENT FILING DATE: 2000-08-21
; NUMBER OF SEQ ID NOS: 369
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 357
; LENGTH: 920
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-643-597-357

; APPLICANT: Hosken, Nancy
; APPLICANT: Fanger, Gary R.
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.455C9
; CURRENT APPLICATION NUMBER: US/09/606,421B
; CURRENT FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 358
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 170
; LENGTH: 791
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-606-421B-170

Alignment Scores:
Pred. No.: 3,75e-08 Length: 791
Score: 124.50 Matches: 28
Percent Similarity: 60.32% Conservative: 10
Best Local Similarity: 44.44% Mismatches: 22
Query Match: 34.11% Indels: 3
DB: 4 Gaps: 1

US-09-049-696-11 (1-191) x US-09-606-421B-170 (1-791)
QY 4 TTTGTAGTGGACAAAACACCAAAATGGCTACCTCCAAATCCAGGCAATTGCTAAGGTT 63
Db 553 PheileThrAsnLeuThrPheArgThrAlaSerLeuTrpIleProGlyThrAlaLysPro 572
QY 64 GCACCTTGAATACAGTCTG-----CAAGCAAGCTCACAACCTTGACCTGACT 114
Db 573 GlyHisTrpThrTyThrLeuAsnAsnThrHisSerLeuGlnAlaLysValThr 592
QY 115 GTCACGTCCTCGCGCTCAATGCTACCTCCCAATTCAGTCACTTCCAAAACGAAAC 174
Db 593 ValThrSerArgAlaSerAsnSerAlaValProProAlaThrValGluAlaPheValGlu 612
QY 175 AAGGACACC 183
Db 613 ArgAspSer 615

RESULT 14
US-09-643-597-357
; Sequence 357, Application US/09643597
; Patent No. 6426072
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy
; APPLICANT: Fanger, Gary R.
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Henderson, Robert A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.455C11
; CURRENT APPLICATION NUMBER: US/09/643,597
; CURRENT FILING DATE: 2000-08-21
; NUMBER OF SEQ ID NOS: 369
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 357
; LENGTH: 920
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-643-597-357
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(without alignments)
8424.829 Million cell updates/sec

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Perfect score: 229
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Maximum Match 100%
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 - 2: /cgn2_6/ptodata/2/pubpna/PCT_NEW_PUB.seq:*
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 - 4: /cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq:*
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 - 10: /cgn2_6/ptodata/2/pubpna/US09B_PUBCOMB.seq:*
 - 11: /cgn2_6/ptodata/2/pubpna/US09C_PUBCOMB.seq:*
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 - 13: /cgn2_6/ptodata/2/pubpna/US09A_PUBCOMB.seq:*
 - 14: /cgn2_6/ptodata/2/pubpna/US10A_PUBCOMB.seq:*
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 - 18: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq:*
 - 19: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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2	229	100.0	2745	15	US-10-270-595-5
3	229	100.0	2854	15	US-10-106-698-1971
4	229	100.0	2867	15	US-10-106-698-351
5	229	100.0	3007	15	US-10-055-4128-27
6	229	100.0	3109	15	US-10-106-698-2111
7	229	100.0	3111	9	US-09-823-356-25
8	229	100.0	3111	9	US-09-823-356-25
9	229	100.0	3111	15	US-10-235-994-25
10	229	100.0	3267	9	US-09-764-868-22
11	229	100.0	3311	9	US-09-822-217-1056
12	229	100.0	3311	9	US-09-833-263-1056
13	229	100.0	3311	14	US-10-025-380-1056
14	229	100.0	3311	15	US-10-393-590-11

15	229	100.0	3311	15	US-10-393-590-12	Sequence 12, Appl
16	229	100.0	3311	15	US-10-393-590-46	Sequence 46, Appl
17	229	100.0	3311	15	US-10-393-590-47	Sequence 47, Appl
18	229	100.0	3311	15	US-10-393-567-11	Sequence 11, Appl
19	229	100.0	3311	15	US-10-393-567-12	Sequence 12, Appl
20	229	100.0	3311	15	US-10-393-567-46	Sequence 46, Appl
21	229	100.0	3311	15	US-10-393-567-47	Sequence 47, Appl
22	229	100.0	3311	15	US-10-394-087-11	Sequence 11, Appl
23	229	100.0	3311	15	US-10-394-087-12	Sequence 12, Appl
24	229	100.0	3311	15	US-10-394-087-46	Sequence 46, Appl
25	229	100.0	3311	15	US-10-394-087-47	Sequence 47, Appl
26	227.4	99.3	4569	10	US-09-867-034-3	Sequence 3, Appl
27	227.4	99.3	4569	13	US-10-276-115-3	Sequence 2111, Ap
28	226.4	98.9	527	15	US-10-066-543-2111	Sequence 2111, Ap
29	225.8	98.6	544	15	US-10-066-543-2349	Sequence 2349, Ap
30	167	72.9	507	15	US-10-066-543-1693	Sequence 1693, Ap
31	161.8	70.7	2931	15	US-10-270-595-1	Sequence 1, Appl
32	130	56.8	653	14	US-10-033-528-1851	Sequence 1851, Ap
33	130	56.8	653	15	US-10-099-928-1851	Sequence 1851, Ap
34	107.4	46.9	2754	15	US-10-345-680-33	Sequence 33, Appl
35	107.4	46.9	3043	14	US-10-025-167-16	Sequence 16, Appl
36	107.4	46.9	3169	9	US-09-981-353-53	Sequence 53, Appl
37	107.4	46.9	3169	15	US-10-235-994-15	Sequence 15, Appl
38	107.4	46.9	3181	14	US-10-025-167-18	Sequence 18, Appl
39	107.4	46.9	3195	10	US-09-867-034-22	Sequence 22, Appl
40	107.4	46.9	3195	13	US-10-276-115-22	Sequence 22, Appl
41	107.4	46.9	3196	15	US-10-158-646-39	Sequence 39, Appl
42	107.4	46.9	3199	13	US-10-276-774-993	Sequence 993, Appl
43	107.4	46.9	3204	15	US-10-345-680-31	Sequence 31, Appl
44	107.4	46.9	3207	15	US-10-101-510-660	Sequence 660, Appl
45	107.4	46.9	3218	16	US-10-087-080-33	Sequence 33, Appl

ALIGNMENTS

RESULT 1
US-10-305-720-850
; Sequence 850, Application US/10305720
; Publication No. US20040010136A1
; GENERAL INFORMATION:
; APPLICANT: Au-Young, Janice K.; Seilhamer, Jeffrey J.
; TITLE OF INVENTION: Composition for the Detection of Signaling Pathway Gene Expression
; FILE REFERENCE: PA-0002-1 CON.
; CURRENT APPLICATION NUMBER: US/10/305,720
; CURRENT FILING DATE: 2002-11-26
; PRIOR APPLICATION NUMBER: 09/016,434
; PRIOR FILING DATE: 1998-01-30
; NUMBER OF SEQ ID NOS: 1490
; SOFTWARE: PERL Program
; SEQ ID NO 850
; LENGTH: 1512
; TYPE: DNA
; ORGANISM: Homo sapiens
; NAME/KEY: misc feature
; FEATURE:
; OTHER INFORMATION: Incyte ID No. US20040010136A1 608819
US-10-305-720-850

Query Match	100.0%;	Score	229;	DB	16;	Length	1512;
Best Local Similarity	100.0%;	Pred. No.	3.5e-70;				
Matches	229;	Conservative	0;	Mismatches	0;	Indels	0;
QY	1	GGCAGTATCGTGACAGCCTGGGAAAGGACACTTGTCTTATCACCCTGGACA	60				
Db	234	GGCAGTATCGTGACAGCCTGGGAAAGGACACTTGTCTTATCACCCTGGACA	293				
QY	61	ACGACGCTCCCAAAATCTTCTCTGGATCCAGTGGACAGCAAGTGGCTTTGTA	120				
Db	294	ACGACGCTCCCAAAATCTTCTCTGGATCCAGTGGACAGCAAGTGGCTTTGTA	353				
QY	121	GTGGACAAACACCAAAATGGCTTACCTCCAAATCCAGGCAATGCTAAGGTGGCACT	180				

Db 354 GTGGACAAAAACACCAAAATGGCTACCTCCAAATCCAGGCAATGCTAAGGTTGGCACT 413
QY 181 TGGAAATACAGTCTGCAAGCAAGCTCACAAACCTTGACCCCTGACTGTCA 229
Db 414 TGGAAATACAGTCTGCAAGCAAGCTCACAAACCTTGACCCCTGACTGTCA 462

RESULT 2

US-10-270-595-5
; Sequence 5, Application US/10270595
; Publication No. US20030078409A1
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/10/270,595
; CURRENT FILING DATE: 2002-10-16
; PRIOR APPLICATION NUMBER: US/09/623,624
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,472
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; PRIOR FILING DATE: 1996-08-23
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 2745
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(2742)
US-10-270-595-5

Query Match 100.0%; Score 229; DB 15; Length 2745;
Best Local Similarity 100.0%; Pred. No. 4.3e-70;
Matches 229; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GGCACAGTGATCGTGGACAGCACCGTGGGAAGGACACTTTGTTCTTATCACCCTGGACA 60
Db 1510 GGCACAGTGATCGTGGACAGCACCGTGGGAAGGACACTTTGTTCTTATCACCCTGGACA 1569
QY 61 ACGCAGCTCCCAAAATCTTCTCTGGGATCCAGTGGACAGCAAGCAAGTGCGCTTTGTA 120
Db 1570 ACGCAGCTCCCAAAATCTTCTCTGGGATCCAGTGGACAGCAAGCAAGTGCGCTTTGTA 1629
QY 121 GTGGACAAAAACACCAAAATGGCTACCTCCAAATCCAGGCAATGCTAAGGTTGGCACT 180
Db 1630 GTGGACAAAAACACCAAAATGGCTACCTCCAAATCCAGGCAATGCTAAGGTTGGCACT 1689
QY 181 TGGAAATACAGTCTGCAAGCAAGCTCACAAACCTTGACCCCTGACTGTCA 229
Db 1690 TGGAAATACAGTCTGCAAGCAAGCTCACAAACCTTGACCCCTGACTGTCA 1738

RESULT 3

QY 1 GGCACAGTGATCGTGGACAGCACCGTGGGAAGGACACTTTGTTCTTATCACCCTGGACA 60

US-10-106-698-1971
; Sequence 1971, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:

; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptides
; FILE REFERENCE: PA005P1
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 1971
; LENGTH: 2854
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-106-698-1971

Query Match 100.0%; Score 229; DB 15; Length 2854;
Best Local Similarity 100.0%; Pred. No. 4.4e-70;
Matches 229; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GGCACAGTGATCGTGGACAGCACCGTGGGAAGGACACTTTGTTCTTATCACCCTGGACA 60
Db 1544 GGCACAGTGATCGTGGACAGCACCGTGGGAAGGACACTTTGTTCTTATCACCCTGGACA 1603
QY 61 ACGCAGCTCCCAAAATCTTCTCTGGGATCCAGTGGACAGCAAGCAAGTGCGCTTTGTA 120
Db 1604 ACGCAGCTCCCAAAATCTTCTCTGGGATCCAGTGGACAGCAAGCAAGTGCGCTTTGTA 1663
QY 121 GTGGACAAAAACACCAAAATGGCTACCTCCAAATCCAGGCAATGCTAAGGTTGGCACT 180
Db 1664 GTGGACAAAAACACCAAAATGGCTACCTCCAAATCCAGGCAATGCTAAGGTTGGCACT 1723
QY 181 TGGAAATACAGTCTGCAAGCAAGCTCACAAACCTTGACCCCTGACTGTCA 229
Db 1724 TGGAAATACAGTCTGCAAGCAAGCTCACAAACCTTGACCCCTGACTGTCA 1772

RESULT 4

US-10-106-698-351
; Sequence 351, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptides
; FILE REFERENCE: PA005P1
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 351
; LENGTH: 2867
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-106-698-351

Query Match 100.0%; Score 229; DB 15; Length 2867;
Best Local Similarity 100.0%; Pred. No. 4.4e-70;
Matches 229; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 1548 GGACAGTGTATCGTGACAGCAGCCGTGGAAAGGACACTTTGTTCTTATCAGCTGGACA 1607
QY 61 ACCGAGCTCCCAAAATCCTTCTCTGGATCCAGTGAGCAGAAAGCAAGTGGCTTTGTA 120
Db 1608 ACCGAGCTCCCAAAATCCTTCTCTGGATCCAGTGAGCAGAAAGCAAGTGGCTTTGTA 1667
QY 121 GTGGACAAAACACCAAAATGGCTACCTCCAAATCCAGGCATTTGCTAAGGTTGGCACT 180
Db 1668 GTGGACAAAACACCAAAATGGCTACCTCCAAATCCAGGCATTTGCTAAGGTTGGCACT 1727
QY 181 TGGAAATACAGTGTGCAAGCAAGCTCACAACCTTGACCTGACTGTCA 229
Db 1728 TGGAAATACAGTGTGCAAGCAAGCTCACAACCTTGACCTGACTGTCA 1776

RESULT 5

US-10-055-412B-27
; Sequence 27, Application US/10055412B
; Publication No. US20030059861A1
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0058
; CURRENT APPLICATION NUMBER: US/10/055,412B
; CURRENT FILING DATE: 2001-10-29
; PRIOR APPLICATION NUMBER: US/09/193,562
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 27
; LENGTH: 3007
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-055-412B-27

Query Match 100.0%; Score 229; DB 15; Length 3007;
Best Local Similarity 100.0%; Pred. No. 4.5e-70;
Matches 229; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GGACAGTGTATCGTGACAGCAGCCGTGGAAAGGACACTTTGTTCTTATCAGCTGGACA 60
Db 1556 GGACAGTGTATCGTGACAGCAGCCGTGGAAAGGACACTTTGTTCTTATCAGCTGGACA 1615
QY 61 ACCGAGCTCCCAAAATCCTTCTCTGGATCCAGTGAGCAGAAAGCAAGTGGCTTTGTA 120
Db 1616 ACCGAGCTCCCAAAATCCTTCTCTGGATCCAGTGAGCAGAAAGCAAGTGGCTTTGTA 1675
QY 121 GTGGACAAAACACCAAAATGGCTACCTCCAAATCCAGGCATTTGCTAAGGTTGGCACT 180
Db 1676 GTGGACAAAACACCAAAATGGCTACCTCCAAATCCAGGCATTTGCTAAGGTTGGCACT 1735
QY 181 TGGAAATACAGTGTGCAAGCAAGCTCACAACCTTGACCTGACTGTCA 229
Db 1736 TGGAAATACAGTGTGCAAGCAAGCTCACAACCTTGACCTGACTGTCA 1784

RESULT 6

US-10-106-698-2111
; Sequence 2111, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide
; FILE REFERENCE: PA005P1
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29

; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 2111
; LENGTH: 3109
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-106-698-2111
Query Match 100.0%; Score 229; DB 15; Length 3109;
Best Local Similarity 100.0%; Pred. No. 4.5e-70;
Matches 229; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GGACAGTGTATCGTGACAGCAGCCGTGGAAAGGACACTTTGTTCTTATCAGCTGGACA 60
Db 1397 GGACAGTGTATCGTGACAGCAGCCGTGGAAAGGACACTTTGTTCTTATCAGCTGGACA 1456
QY 61 ACCGAGCTCCCAAAATCCTTCTCTGGATCCAGTGAGCAGAAAGCAAGTGGCTTTGTA 120
Db 1457 ACCGAGCTCCCAAAATCCTTCTCTGGATCCAGTGAGCAGAAAGCAAGTGGCTTTGTA 1516
QY 121 GTGGACAAAACACCAAAATGGCTACCTCCAAATCCAGGCATTTGCTAAGGTTGGCACT 180
Db 1517 GTGGACAAAACACCAAAATGGCTACCTCCAAATCCAGGCATTTGCTAAGGTTGGCACT 1576
QY 181 TGGAAATACAGTGTGCAAGCAAGCTCACAACCTTGACCTGACTGTCA 229
Db 1577 TGGAAATACAGTGTGCAAGCAAGCTCACAACCTTGACCTGACTGTCA 1625

RESULT 7

US-09-823-356-25
; Sequence 25, Application US/09823356
; Patent No. US20010025098A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Bandman, Olga
; APPLICANT: Lal, Preeti
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Yue, Henry
; APPLICANT: Corley, Neil C.
; APPLICANT: Guegler, Karl J.
; APPLICANT: Kaser, Matthew R.
; APPLICANT: Baughn, Mariah R.
; APPLICANT: Shah, Purvi
; TITLE OF INVENTION: HUMAN MEMBRANE SPANNING PROTEINS
; FILE REFERENCE: PF-0489-1 CON
; CURRENT APPLICATION NUMBER: US/09/823,356
; CURRENT FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/039,307
; PRIOR FILING DATE: 1998 March 13
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PERL Program
; SEQ ID NO 25
; LENGTH: 3111
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No. US20010025098A1 1737775
US-09-823-356-25

Query Match 100.0%; Score 229; DB 9; Length 3111;
Best Local Similarity 100.0%; Pred. No. 4.5e-70;
Matches 229; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GGACAGTGTATCGTGACAGCAGCCGTGGAAAGGACACTTTGTTCTTATCAGCTGGACA 60
Db 1543 GGACAGTGTATCGTGACAGCAGCCGTGGAAAGGACACTTTGTTCTTATCAGCTGGACA 1602
QY 61 ACCGAGCTCCCAAAATCCTTCTCTGGATCCAGTGAGCAGAAAGCAAGTGGCTTTGTA 120

Db 1603 ACCGAGCTCCCAAAATCTTCTCTGGGATCCAGTGGACAGCAAGGCTGGCTTTTGA 1662
QY 121 GTGGACAAAAACACCAAAATGGCTTACCTCCAAATCCAGGCAATGCTTAAGGTTGGCACT 180
Db 1663 GTGGACAAAAACACCAAAATGGCTTACCTCCAAATCCAGGCAATGCTTAAGGTTGGCACT 1722
QY 181 TGGAAATACAGTCTGCAAGCAAGCTCACAAAACCTTGACCTGACTGTCA 229
Db 1723 TGGAAATACAGTCTGCAAGCAAGCTCACAAAACCTTGACCTGACTGTCA 1771

RESULT 8

US-09-981-353-191
; Sequence 191, Application US/09981353
; Patent No. US20020160382A1
; GENERAL INFORMATION:
; APPLICANT: Lasek, Amy W.
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0038 US
; CURRENT APPLICATION NUMBER: US/09/981,353
; CURRENT FILING DATE: 2001-10-11
; NUMBER OF SEQ ID NOS: 194
; SOFTWARE: PERL Program
; SEQ ID NO 191
; LENGTH: 3111
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20020160382A1 173775CB1
US-09-981-353-191

Query Match 100.0%; Score 229; DB 9; Length 3111;
Best Local Similarity 100.0%; Pred. No. 4.5e-70;
Matches 229; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GGCACAGTGATCGTGACAGCACCGTGGGAAAGGACACTTTGTTCTTATCACCTGGACA 60
Db 1543 GGCACAGTGATCGTGACAGCACCGTGGGAAAGGACACTTTGTTCTTATCACCTGGACA 1602
QY 61 ACCGAGCTCCCAAAATCTTCTCTGGGATCCAGTGGACAGCAAGGCTGGCTTTTGA 120
Db 1603 ACCGAGCTCCCAAAATCTTCTCTGGGATCCAGTGGACAGCAAGGCTGGCTTTTGA 1662
QY 121 GTGGACAAAAACACCAAAATGGCTTACCTCCAAATCCAGGCAATGCTTAAGGTTGGCACT 180
Db 1663 GTGGACAAAAACACCAAAATGGCTTACCTCCAAATCCAGGCAATGCTTAAGGTTGGCACT 1722
QY 181 TGGAAATACAGTCTGCAAGCAAGCTCACAAAACCTTGACCTGACTGTCA 229
Db 1723 TGGAAATACAGTCTGCAAGCAAGCTCACAAAACCTTGACCTGACTGTCA 1771

RESULT 9

US-10-235-994-25
; Sequence 25, Application US/10235994
; Publication No. US20030101002A1
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael
; APPLICANT: Bartha, Gabor
; TITLE OF INVENTION: METHODS FOR ANALYZING GENE EXPRESSION PATTERNS
; FILE REFERENCE: ICYTP012
; CURRENT APPLICATION NUMBER: US/10/235,994
; CURRENT FILING DATE: 2002-09-04
; PRIOR APPLICATION NUMBER: US/10/003,608
; PRIOR FILING DATE: 2001-11-01
; PRIOR APPLICATION NUMBER: 60/245,081
; PRIOR FILING DATE: 2000-11-01
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 25
; LENGTH: 3111

; TYPE: DNA
; ORGANISM: Human
US-10-235-994-25
Query Match 100.0%; Score 229; DB 15; Length 3111;
Best Local Similarity 100.0%; Pred. No. 4.5e-70;
Matches 229; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GGCACAGTGATCGTGACAGCACCGTGGGAAAGGACACTTTGTTCTTATCACCTGGACA 60
Db 1543 GGCACAGTGATCGTGACAGCACCGTGGGAAAGGACACTTTGTTCTTATCACCTGGACA 1602
QY 61 ACCGAGCTCCCAAAATCTTCTCTGGGATCCAGTGGACAGCAAGGCTGGCTTTTGA 120
Db 1603 ACCGAGCTCCCAAAATCTTCTCTGGGATCCAGTGGACAGCAAGGCTGGCTTTTGA 1662
QY 121 GTGGACAAAAACACCAAAATGGCTTACCTCCAAATCCAGGCAATGCTTAAGGTTGGCACT 180
Db 1663 GTGGACAAAAACACCAAAATGGCTTACCTCCAAATCCAGGCAATGCTTAAGGTTGGCACT 1722
QY 181 TGGAAATACAGTCTGCAAGCAAGCTCACAAAACCTTGACCTGACTGTCA 229
Db 1723 TGGAAATACAGTCTGCAAGCAAGCTCACAAAACCTTGACCTGACTGTCA 1771

RESULT 10

US-09-764-868-22
; Sequence 22, Application US/09764868
; Patent No. US20020168711A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PTZ32
; CURRENT APPLICATION NUMBER: US/09/764,868
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 1510
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 22
; LENGTH: 3267
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-868-22

Query Match 100.0%; Score 229; DB 9; Length 3267;
Best Local Similarity 100.0%; Pred. No. 4.6e-70;
Matches 229; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GGCACAGTGATCGTGACAGCACCGTGGGAAAGGACACTTTGTTCTTATCACCTGGACA 60
Db 1544 GGCACAGTGATCGTGACAGCACCGTGGGAAAGGACACTTTGTTCTTATCACCTGGACA 1603
QY 61 ACCGAGCTCCCAAAATCTTCTCTGGGATCCAGTGGACAGCAAGGCTGGCTTTTGA 120
Db 1604 ACCGAGCTCCCAAAATCTTCTCTGGGATCCAGTGGACAGCAAGGCTGGCTTTTGA 1663
QY 121 GTGGACAAAAACACCAAAATGGCTTACCTCCAAATCCAGGCAATGCTTAAGGTTGGCACT 180
Db 1664 GTGGACAAAAACACCAAAATGGCTTACCTCCAAATCCAGGCAATGCTTAAGGTTGGCACT 1723
QY 181 TGGAAATACAGTCTGCAAGCAAGCTCACAAAACCTTGACCTGACTGTCA 229
Db 1724 TGGAAATACAGTCTGCAAGCAAGCTCACAAAACCTTGACCTGACTGTCA 1772

RESULT 11

US-09-922-217-1056
; Sequence 1056, Application US/09922217
; Patent No. US20020076414A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather

APPLICANT: Benson, Darin R.
APPLICANT: Meagher, Madeleine Joy
APPLICANT: Stolk, John A.
APPLICANT: Wang, Tongtong
APPLICANT: Jiang, Yugu
APPLICANT: Smith, Carole Lynn
APPLICANT: King, Gordon E.
APPLICANT: Wang, Aijun
APPLICANT: Clapper, Jonathan D.
TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
TITLE OF INVENTION: OF COLON CANCER AND METHODS FOR THEIR USE
FILE REFERENCE: 210121.471C13
CURRENT APPLICATION NUMBER: US/09/922,217
CURRENT FILING DATE: 2001-08-03
NUMBER OF SEQ ID NOS: 1124
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 1056
LENGTH: 3311
TYPE: DNA
ORGANISM: Homo sapiens
US-09-922-217-1056

Query Match 100.0%; Score 229; DB 9; Length 3311;
Best Local Similarity 100.0%; Pred. No. 4.6e-70; Indels 0; Gaps 0;
Matches 229; Conservative 0; Mismatches 0;

QY 1 GGCACAGTGATCGTGACAGCACCGTGGGAAAGGACACTTTGTTCTTATCACCTGGACA 60
DB 1861 GGCACAGTGATCGTGACAGCACCGTGGGAAAGGACACTTTGTTCTTATCACCTGGACA 1920

QY 61 AGCAGCCTCCCAAAATCCTTCTCTGGGATCCAGTGGACAGCAAGAGGTGGCTTTGTA 120
DB 1921 AGCAGCCTCCCAAAATCCTTCTCTGGGATCCAGTGGACAGCAAGAGGTGGCTTTGTA 1980

QY 121 GTGGACAAAACACCAAAATGCGCTACCTCCAAATCCAGGCAATGCTAAGGTTGGCACT 180
DB 1981 GTGGACAAAACACCAAAATGCGCTACCTCCAAATCCAGGCAATGCTAAGGTTGGCACT 2040

QY 181 TGGAAATACAGTCTGCAAGCAAGCTCACAACCTTGACCTGACTGTCA 229
DB 2041 TGGAAATACAGTCTGCAAGCAAGCTCACAACCTTGACCTGACTGTCA 2089

RESULT 12
US-09-833-263-1056
Sequence 1056, Application US/09833263
Patent No. US20020110547A1
GENERAL INFORMATION:
APPLICANT: Wang, Aijun
APPLICANT: Clapper, Jonathan D.
APPLICANT: Stolk, John A.
APPLICANT: Meagher, Madeleine J.
TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF COLON CANCER AND METHODS FOR THEIR USE
FILE REFERENCE: 210121.471C12
CURRENT APPLICATION NUMBER: US/09/833,263
CURRENT FILING DATE: 2001-04-10
NUMBER OF SEQ ID NOS: 1093
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 1056
LENGTH: 3311
TYPE: DNA
ORGANISM: Homo sapiens
US-09-833-263-1056

Query Match 100.0%; Score 229; DB 9; Length 3311;
Best Local Similarity 100.0%; Pred. No. 4.6e-70; Indels 0; Gaps 0;
Matches 229; Conservative 0; Mismatches 0;

QY 1 GGCACAGTGATCGTGACAGCACCGTGGGAAAGGACACTTTGTTCTTATCACCTGGACA 60
DB 1861 GGCACAGTGATCGTGACAGCACCGTGGGAAAGGACACTTTGTTCTTATCACCTGGACA 1920

QY 61 AGCAGCCTCCCAAAATCCTTCTCTGGGATCCAGTGGACAGCAAGAGGTGGCTTTGTA 120
DB 1921 AGCAGCCTCCCAAAATCCTTCTCTGGGATCCAGTGGACAGCAAGAGGTGGCTTTGTA 1980

QY 121 GTGGACAAAACACCAAAATGCGCTACCTCCAAATCCAGGCAATGCTAAGGTTGGCACT 180
DB 1981 GTGGACAAAACACCAAAATGCGCTACCTCCAAATCCAGGCAATGCTAAGGTTGGCACT 2040

QY 181 TGGAAATACAGTCTGCAAGCAAGCTCACAACCTTGACCTGACTGTCA 229
DB 2041 TGGAAATACAGTCTGCAAGCAAGCTCACAACCTTGACCTGACTGTCA 2089

RESULT 13
US-10-025-380-1056
Sequence 1056, Application US/10025380
Publication No. US20020182191A1
GENERAL INFORMATION:
APPLICANT: Xu, Jiangchun
APPLICANT: Lodes, Michael J.
APPLICANT: Secrist, Heather
APPLICANT: Benson, Darin R.
APPLICANT: Meagher, Madeleine Joy
APPLICANT: Stolk, John A.
APPLICANT: Wang, Tongtong
APPLICANT: Jiang, Yugu
APPLICANT: Smith, Carole L.
APPLICANT: King, Gordon E.
APPLICANT: Wang, Aijun
APPLICANT: Clapper, Jonathan D.
APPLICANT: Skeiky, Yasir A. W.
APPLICANT: Fanger, Gary R.
APPLICANT: Vedvick Thomas S.
APPLICANT: Carter, Darick
TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
TITLE OF INVENTION: OF COLON CANCER AND METHODS FOR THEIR USE
FILE REFERENCE: 210121.471C14
CURRENT APPLICATION NUMBER: US/10/025,380
CURRENT FILING DATE: 2001-12-19
NUMBER OF SEQ ID NOS: 1129
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 1056
LENGTH: 3311
TYPE: DNA
ORGANISM: Homo sapiens
US-10-025-380-1056

Query Match 100.0%; Score 229; DB 14; Length 3311;
Best Local Similarity 100.0%; Pred. No. 4.6e-70; Indels 0; Gaps 0;
Matches 229; Conservative 0; Mismatches 0;

QY 1 GGCACAGTGATCGTGACAGCACCGTGGGAAAGGACACTTTGTTCTTATCACCTGGACA 60
DB 1861 GGCACAGTGATCGTGACAGCACCGTGGGAAAGGACACTTTGTTCTTATCACCTGGACA 1920

QY 61 AGCAGCCTCCCAAAATCCTTCTCTGGGATCCAGTGGACAGCAAGAGGTGGCTTTGTA 120
DB 1921 AGCAGCCTCCCAAAATCCTTCTCTGGGATCCAGTGGACAGCAAGAGGTGGCTTTGTA 1980

QY 121 GTGGACAAAACACCAAAATGCGCTACCTCCAAATCCAGGCAATGCTAAGGTTGGCACT 180
DB 1981 GTGGACAAAACACCAAAATGCGCTACCTCCAAATCCAGGCAATGCTAAGGTTGGCACT 2040

QY 181 TGGAAATACAGTCTGCAAGCAAGCTCACAACCTTGACCTGACTGTCA 229
DB 2041 TGGAAATACAGTCTGCAAGCAAGCTCACAACCTTGACCTGACTGTCA 2089

RESULT 14
US-10-393-590-11
Sequence 11, Application US/10393590
Publication No. US20030190656A1
GENERAL INFORMATION:

APPLICANT: WANG, YIXIN
; TITLE OF INVENTION: BREAST CANCER PROGNASTIC PORTFOLIO
; FILE REFERENCE: CDS 268 US NP
; CURRENT APPLICATION NUMBER: US/10/393,590
; PRIOR FILING DATE: 2003-03-21
; PRIOR APPLICATION NUMBER: 60/368,789
; PRIOR FILING DATE: 2002-03-29
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 11
; LENGTH: 3311
; TYPE: DNA
; ORGANISM: human
US-10-393-590-11

Query Match 100.0%; Score 229; DB 15; Length 3311;
Best Local Similarity 100.0%; Pred. No. 4.6e-70;
Matches 229; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 61 ACGAGCCTCCCAAAATCCTTCTCTGGGATCCAGTGGACAGCAAGCAAGTGGCTTTGTA 120
Db 1921 ACGAGCCTCCCAAAATCCTTCTCTGGGATCCAGTGGACAGCAAGCAAGTGGCTTTGTA 1980
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QY 181 TGGAAATACAGTCTGCAAGCAAGCTCACAACCTTGACCTGACTGTCA 229
Db 2041 TGGAAATACAGTCTGCAAGCAAGCTCACAACCTTGACCTGACTGTCA 2089

RESULT 15

US-10-393-590-12
; Sequence 12, Application US/10393590
; Publication No. US20030190656A1
; GENERAL INFORMATION:
; APPLICANT: WANG, YIXIN
; TITLE OF INVENTION: BREAST CANCER PROGNASTIC PORTFOLIO
; FILE REFERENCE: CDS 268 US NP
; CURRENT APPLICATION NUMBER: US/10/393,590
; PRIOR FILING DATE: 2003-03-21
; PRIOR APPLICATION NUMBER: 60/368,789
; PRIOR FILING DATE: 2002-03-29
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 12
; LENGTH: 3311
; TYPE: DNA
; ORGANISM: human
US-10-393-590-12

Query Match 100.0%; Score 229; DB 15; Length 3311;
Best Local Similarity 100.0%; Pred. No. 4.6e-70;
Matches 229; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 1861 GGCACAGTGATCGTGGACAGCACCGTGGGAAAGGACACTTTGTTCTTATCACCTGGACA 1920
QY 61 ACGAGCCTCCCAAAATCCTTCTCTGGGATCCAGTGGACAGCAAGCAAGTGGCTTTGTA 120
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QY 121 GTGGACAAAACACCAAAATGGCTACCTCCAAATCCAGGGCATTCCTAAGGTTGGCACT 180
Db 1981 GTGGACAAAACACCAAAATGGCTACCTCCAAATCCAGGGCATTCCTAAGGTTGGCACT 2040
QY 181 TGGAAATACAGTCTGCAAGCAAGCTCACAACCTTGACCTGACTGTCA 229

Db 2041 TGGAAATACAGTCTGCAAGCAAGCTCACAACCTTGACCTGACTGTCA 2089

Search completed: April 24, 2004, 06:38:12
Job time : 122.552 secs

GenCore version 5.1.6
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OM nucleic - protein search, using frame_plus_n2p model

Run on: April 21, 2004, 16:13:49 ; Search time 32.9693 Seconds

(without alignments)
3840.718 Million cell updates/sec

Title: US-09-049-696-10

Perfect score: 432

Sequence: 1 GGCACAGTGTGTCGACAG.....AACCTTGACCTGACTGTCA 229

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Ygapop 10.0, Ygapext 0.5
Fgapop 6.0, Fgapext 7.0
Delop 6.0, Delext 7.0

Searched: 1133595 seqs, 276475211 residues

Total number of hits satisfying chosen parameters: 2267190

Minimum DB seq length: 0

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Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	396	91.7	552	14	US-10-106-698-4628	Sequence 4628, Ap
2	396	91.7	869	14	US-10-106-698-6388	Sequence 6388, Ap
3	396	91.7	914	9	US-09-823-356-8	Sequence 8, Appli
4	396	91.7	914	9	US-09-922-217-1066	Sequence 1066, Ap
5	396	91.7	914	9	US-09-833-263-1066	Sequence 1066, Ap
6	396	91.7	914	9	US-09-981-353-192	Sequence 192, App
7	396	91.7	914	11	US-09-833-245-2054	Sequence 2054, Ap
8	396	91.7	914	13	US-10-035-380-1066	Sequence 1066, Ap
9	396	91.7	914	14	US-10-055-412B-28	Sequence 28, Appli
10	396	91.7	914	14	US-10-270-595-6	Sequence 6, Appli
11	396	91.7	914	14	US-10-235-994-26	Sequence 26, Appl
12	396	91.7	914	14	US-10-060-255-42	Sequence 42, Appl
13	396	91.7	914	15	US-10-369-214-133	Sequence 133, App
14	396	91.7	925	9	US-09-764-868-635	Sequence 635, App
15	396	91.7	925	14	US-10-106-698-6248	Sequence 6248, Ap
16	319	73.8	913	14	US-10-270-595-2	Sequence 2, Appli
17	319	73.8	913	15	US-10-369-214-132	Sequence 132, App
18	263	60.9	917	9	US-09-981-353-54	Sequence 54, Appl
19	263	60.9	917	13	US-10-025-187-41	Sequence 41, Appl
20	263	60.9	917	14	US-10-235-994-16	Sequence 16, Appl
21	263	60.9	917	14	US-10-345-680-32	Sequence 32, Appl
22	263	60.9	917	15	US-10-369-214-134	Sequence 134, App
23	263	60.9	917	15	US-10-087-080-34	Sequence 34, Appl
24	263	60.9	919	9	US-09-989-722-379	Sequence 379, App
25	263	60.9	919	9	US-09-989-723-379	Sequence 379, App
26	263	60.9	919	9	US-09-989-729-379	Sequence 379, App
27	263	60.9	919	9	US-09-989-727-379	Sequence 379, App
28	263	60.9	919	9	US-09-989-731-379	Sequence 379, App
29	263	60.9	919	9	US-09-989-732-379	Sequence 379, App
30	263	60.9	919	9	US-09-991-073-379	Sequence 379, App
31	263	60.9	919	9	US-09-991-163-379	Sequence 379, App
32	263	60.9	919	9	US-09-991-442-379	Sequence 379, App
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35	263	60.9	919	9	US-09-989-721-379	Sequence 379, App
36	263	60.9	919	9	US-09-992-598-379	Sequence 379, App
37	263	60.9	919	9	US-09-989-735-379	Sequence 379, App
38	263	60.9	919	9	US-09-989-735-379	Sequence 379, App
39	263	60.9	919	9	US-09-990-444-379	Sequence 379, App
40	263	60.9	919	9	US-09-991-181-379	Sequence 379, App
41	263	60.9	919	9	US-09-989-730-379	Sequence 379, App
42	263	60.9	919	9	US-09-990-438-379	Sequence 379, App
43	263	60.9	919	9	US-09-993-687-379	Sequence 379, App
44	263	60.9	919	10	US-09-989-734-379	Sequence 379, App
45	263	60.9	919	10	US-09-997-653-379	Sequence 379, App

ALIGNMENTS

RESULT 1

US-10-106-698-4628
; Sequence 4628, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:

; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptides
; FILE REFERENCE: PA005P1
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 4628
; LENGTH: 552
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-106-698-4628

Alignment Scores:
Pred. No.: 8,22e-40 Length: 552
Score: 396.00 Matches: 76
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 91.67% Indels: 0
DB: 14 Gaps: 0

US-09-049-696-10 (1-229) x US-10-106-698-4628 (1-552)

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Db GlyThrValIleValAspSerThrValGlyLysAspThrLeuPheLeuIleThrTrpThr 161
QY 61 AGCGACCTCCCAAAATCTCTCTGGGATCCAGTGGACAGCAAGGTGGCTTGTGA 120
Db ThrGlnProGlnIleLeuLeuTrpAspProSerGlyGlnLysGlnGlyGlyPheVal 181
QY 121 GTGGACAAAACACCAAAATGGCTACCTCCAAATCCAGGATTCCTAAGGTGGCACT 180
Db ValAspLysAsnThrLysMetAlaTyrLeuGlnIleProGlyIleAlaLysValGlyThr 201
QY 181 TGGAAATACAGTCTGCAAGCAAGCTCACAAACCTTGACCTGACTGTC 228
Db TrpLysTyrSerLeuGlnAlaSerSerGlnThrLeuThrLeuThrVal 217

RESULT 2
US-10-106-698-6388
; Sequence 6388, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide
; FILE REFERENCE: PA005PI
; CURRENT APPLICATION NUMBER: US/10/106,698
; PRIOR FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 6388
; LENGTH: 869
; TYPE: PRT
; ORGANISM: Homo sapiens
; NAME/KEY: MISC FEATURE
; LOCATION: (14)_FEATURE
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

US-10-106-698-6388

Alignment Scores:
Pred. No.: 8,98e-40 Length: 869
Score: 396.00 Matches: 76
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 91.67% Indels: 0
DB: 14 Gaps: 0

US-09-049-696-10 (1-229) x US-10-106-698-6388 (1-869)

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Db ThrGlnProGlnIleLeuLeuTrpAspProSerGlyGlnLysGlnGlyGlyPheVal 498
QY 121 GTGGACAAAACACCAAAATGGCTACCTCCAAATCCAGGATTCCTAAGGTGGCACT 180

Db 499 ValAspLysAsnThrLysMetAlaTyrLeuGlnIleProGlyIleAlaLysValGlyThr 518
QY 181 TGGAAATACAGTCTGCAAGCAAGCTCACAAACCTTGACCTGACTGTC 228
Db TrpLysTyrSerLeuGlnAlaSerSerGlnThrLeuThrLeuThrVal 534

RESULT 3
US-09-823-356-8
; Sequence 8, Application US/09823356
; Patent No. US20010025098A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Bandman, Olga
; APPLICANT: Lal, Preeti
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Yue, Henry
; APPLICANT: Corley, Neil C.
; APPLICANT: Guegler, Karl J.
; APPLICANT: Kaser, Matthew R.
; APPLICANT: Baughn, Mariah R.
; APPLICANT: Shah, Purvi
; TITLE OF INVENTION: HUMAN MEMBRANE SPANNING PROTEINS
; FILE REFERENCE: PF-0489-1 CON
; CURRENT APPLICATION NUMBER: US/09/823,356
; CURRENT FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/039,307
; PRIOR FILING DATE: 1998 March 13
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PERL Program
; SEQ ID NO 8
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20010025098A1 1737775

US-09-823-356-8

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Pred. No.: 9,06e-40 Length: 914
Score: 396.00 Matches: 76
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 91.67% Indels: 0
DB: 9 Gaps: 0

US-09-049-696-10 (1-229) x US-09-823-356-8 (1-914)

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Db ThrGlnProGlnIleLeuLeuTrpAspProSerGlyGlnLysGlnGlyGlyPheVal 543
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Db ValAspLysAsnThrLysMetAlaTyrLeuGlnIleProGlyIleAlaLysValGlyThr 563
QY 181 TGGAAATACAGTCTGCAAGCAAGCTCACAAACCTTGACCTGACTGTC 228
Db TrpLysTyrSerLeuGlnAlaSerSerGlnThrLeuThrLeuThrVal 579

RESULT 4
US-09-922-217-1066
; Sequence 1066, Application US/09922217
; Patent No. US20020076414A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather

```

; APPLICANT: Benson, Darin R.
; APPLICANT: Meagher, Madeleine Joy
; APPLICANT: Stolk, John A.
; APPLICANT: Wang, Tongtong
; APPLICANT: Jiang, Yugu
; APPLICANT: Smith, Carole Lynn
; APPLICANT: King, Gordon E.
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; FILE OF INVENTION: OF COLON CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.471C13
; CURRENT APPLICATION NUMBER: US/09/922,217
; CURRENT FILING DATE: 2001-08-03
; NUMBER OF SEQ ID NOS: 1124
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1066
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-922-217-1066

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Pred. No.: 9,06e-40 Length: 914
Score: 396.00 Matches: 76
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 91.67% Indels: 0
DB: 9 Gaps: 0

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QY 61 AGCAGCCTCCCAAAATCCTCTCTGGGATCCAGTGAGCAGCAAGCAAGTGGCTTTGTA 120
Db 524 ThrGlnProGlnIleLeuLeuTrpAspProSerGlyGlnLysGlnGlyPheVal 543
QY 121 GTGGACAAACACCAAAATGGCTACCTCCAAATCCAGGATTCCTAAGGTTGGCACT 180
Db 544 ValAspLysAsnThrLysMetAlaTyrLeuGlnIleProGlyIleAlaLysValGlyThr 563
QY 181 TGGAAATACAGTCTGCAAGCAAGCTCACAAACCTTGACCCCTGACTGTC 228
Db 564 TrpLysTyrSerLeuGlnAlaSerSerGlnThrLeuThrVal 579

RESULT 5
US-09-833-263-1066
; Sequence 1066, Application US/09833263
; Patent No. US20020110547A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; APPLICANT: Stolk, John A.
; APPLICANT: Meagher, Madeleine J.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND
; FILE OF INVENTION: DIAGNOSIS OF COLON CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.471C12
; CURRENT APPLICATION NUMBER: US/09/833,263
; CURRENT FILING DATE: 2001-04-10
; NUMBER OF SEQ ID NOS: 1093
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1066
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-833-263-1066

Alignment Scores:
Pred. No.: 9,06e-40 Length: 914
Score: 396.00 Matches: 76
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Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 91.67% Indels: 0
DB: 9 Gaps: 0

US-09-049-696-10 (1-229) x US-09-833-263-1066 (1-914)
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Db 504 GlyThrValIleValAspSerThrValGlyLysAspThrLeuPheLeuIleThrTrpThr 523
QY 61 AGCAGCCTCCCAAAATCCTCTCTGGGATCCAGTGAGCAGCAAGCAAGTGGCTTTGTA 120
Db 524 ThrGlnProGlnIleLeuLeuTrpAspProSerGlyGlnLysGlnGlyPheVal 543
QY 121 GTGGACAAACACCAAAATGGCTACCTCCAAATCCAGGATTCCTAAGGTTGGCACT 180
Db 544 ValAspLysAsnThrLysMetAlaTyrLeuGlnIleProGlyIleAlaLysValGlyThr 563
QY 181 TGGAAATACAGTCTGCAAGCAAGCTCACAAACCTTGACCCCTGACTGTC 228
Db 564 TrpLysTyrSerLeuGlnAlaSerSerGlnThrLeuThrVal 579

RESULT 6
US-09-981-353-192
; Sequence 192, Application US/09981353
; Patent No. US20020160382A1
; GENERAL INFORMATION:
; APPLICANT: Lasek, Amy W.
; APPLICANT: Jones, David A.
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0038 US
; CURRENT APPLICATION NUMBER: US/09/981,353
; CURRENT FILING DATE: 2001-10-11
; NUMBER OF SEQ ID NOS: 194
; SOFTWARE: PERL Program
; SEQ ID NO 192
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No. US20020160382A1 1737775CD1
US-09-981-353-192

Alignment Scores:
Pred. No.: 9,06e-40 Length: 914
Score: 396.00 Matches: 76
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 91.67% Indels: 0
DB: 9 Gaps: 0

US-09-049-696-10 (1-229) x US-09-981-353-192 (1-914)
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Db 504 GlyThrValIleValAspSerThrValGlyLysAspThrLeuPheLeuIleThrTrpThr 523
QY 61 AGCAGCCTCCCAAAATCCTCTCTGGGATCCAGTGAGCAGCAAGCAAGTGGCTTTGTA 120
Db 524 ThrGlnProGlnIleLeuLeuTrpAspProSerGlyGlnLysGlnGlyPheVal 543
QY 121 GTGGACAAACACCAAAATGGCTACCTCCAAATCCAGGATTCCTAAGGTTGGCACT 180
Db 544 ValAspLysAsnThrLysMetAlaTyrLeuGlnIleProGlyIleAlaLysValGlyThr 563
QY 181 TGGAAATACAGTCTGCAAGCAAGCTCACAAACCTTGACCCCTGACTGTC 228
Db 564 TrpLysTyrSerLeuGlnAlaSerSerGlnThrLeuThrVal 579

RESULT 7
US-09-833-245-2054
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; Sequence 2054, Application US/09833245
; Publication No. US2004010134A1
; GENERAL INFORMATION:
; APPLICANT: Human Genome Sciences, Inc.
; TITLE OF INVENTION: Albumin Fusion Proteins
; FILE REFERENCE: PF546PCT
; CURRENT APPLICATION NUMBER: US/09/833,245
; CURRENT FILING DATE: 2001-04-12
; PRIOR APPLICATION NUMBER: 60/229, 358
; PRIOR FILING DATE: 2000-04-12
; PRIOR APPLICATION NUMBER: 60/256, 931
; PRIOR FILING DATE: 2000-12-21
; PRIOR APPLICATION NUMBER: 60/199, 384
; PRIOR FILING DATE: 2000-04-25
; NUMBER OF SEQ ID NOS: 2267
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 2054
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-833-245-2054

Alignment Scores:
Pred. No.: 9,066-40 Length: 914
Score: 396.00 Matches: 76
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 91.67% Indels: 0
DB: 11 Gaps: 0

US-09-049-696-10 (1-229) x US-09-833-245-2054 (1-914)

QY 1 GGCACAGTATCGTGGACAGCACCGTGGGAAAGGACACTTTCTTATCACCTGGACA 60
DB 504 GlyThrValIleValAspSerThrValGlyLysAspThrLeuPheLeuIleThrTrpThr 523

QY 61 AGCGAGCTCCCAAAATCCTTCTCTGGGATCCAGTGGACAGCAAGCGTGGCTTTGTA 120
DB 524 ThrGlnProGlnIleLeuLeuTrpAspProSerGlyGlnLysGlnGlyPheVal 543

QY 121 GTGGCAAAAACACCAAAATGCGCTACCTCCAAATCCAGGATTCCTAAGCTTGGCACT 180
DB 544 ValAspLysAsnThrLysMetAlaTyrLeuGlnIleProGlyIleAlaLysValGlyThr 563

QY 181 TGGAAATACAGTCTGCAAGCAGCTCACAACCTTGACCTGACTGTC 228
DB 564 TrpLysTyrSerLeuGlnAlaSerSerGlnThrLeuThrVal 579

RESULT 8

US-10-025-380-1066
; Sequence 1066, Application US/10025380
; Publication No. US20020182191A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather
; APPLICANT: Benson, Darin R.
; APPLICANT: Meagher, Madeleine Joy
; APPLICANT: Stoik, John A.
; APPLICANT: Wang, Tongtong
; APPLICANT: Jiang, Yugu
; APPLICANT: Smith, Carole L.
; APPLICANT: King, Gordon E.
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; APPLICANT: Skeiky, Yasir A. W.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darick
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; FILE REFERENCE: 210121.471C14
; CURRENT APPLICATION NUMBER: US/10/025,380

; CURRENT FILING DATE: 2001-12-19
; NUMBER OF SEQ ID NOS: 1129
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1066
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-025-380-1066

Alignment Scores:
Pred. No.: 9,066-40 Length: 914
Score: 396.00 Matches: 76
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 91.67% Indels: 0
DB: 13 Gaps: 0

US-09-049-696-10 (1-229) x US-10-025-380-1066 (1-914)

QY 1 GGCACAGTATCGTGGACAGCACCGTGGGAAAGGACACTTTCTTATCACCTGGACA 60
DB 504 GlyThrValIleValAspSerThrValGlyLysAspThrLeuPheLeuIleThrTrpThr 523

QY 61 AGCGAGCTCCCAAAATCCTTCTCTGGGATCCAGTGGACAGCAAGCGTGGCTTTGTA 120
DB 524 ThrGlnProGlnIleLeuLeuTrpAspProSerGlyGlnLysGlnGlyPheVal 543

QY 121 GTGGCAAAAACACCAAAATGCGCTACCTCCAAATCCAGGATTCCTAAGCTTGGCACT 180
DB 544 ValAspLysAsnThrLysMetAlaTyrLeuGlnIleProGlyIleAlaLysValGlyThr 563

QY 181 TGGAAATACAGTCTGCAAGCAGCTCACAACCTTGACCTGACTGTC 228
DB 564 TrpLysTyrSerLeuGlnAlaSerSerGlnThrLeuThrVal 579

RESULT 9

US-10-055-412B-28
; Sequence 28, Application US/10055412B
; Publication No. US20030059861A1
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; FILE REFERENCE: 18617.0058
; CURRENT APPLICATION NUMBER: US/10/055,412B
; CURRENT FILING DATE: 2001-10-29
; PRIOR APPLICATION NUMBER: US/09/193,562
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 28
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-055-412B-28

Alignment Scores:
Pred. No.: 9,066-40 Length: 914
Score: 396.00 Matches: 76
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 91.67% Indels: 0
DB: 14 Gaps: 0

US-09-049-696-10 (1-229) x US-10-055-412B-28 (1-914)

QY 1 GGCACAGTATCGTGGACAGCACCGTGGGAAAGGACACTTTCTTATCACCTGGACA 60
DB 504 GlyThrValIleValAspSerThrValGlyLysAspThrLeuPheLeuIleThrTrpThr 523

QY 61 AGCGAGCTCCCAAAATCCTTCTCTGGGATCCAGTGGACAGCAAGCGTGGCTTTGTA 120

Db 524 ThrGlnProGlnLeuLeuTrpAspProSerGlyGlnIysGlnGlyPheVal 543
Qy 121 GTGGCAAAACCAAAATGGCTACCTCAAATCCAGGCATTGCTAAGGTTGGCACT 180
Db 544 ValAspLysAsnThrLysMetAlaTyrLeuGlnIleProGlyIleAlaLysValGlyThr 563
Qy 181 TGGAAATACAGTCTGCAAGCAAGCTCACAACCTTGACCTGACTGTC 228
Db 564 TrpLysTyrSerLeuGlnAlaSerSerGlnThrLeuThrLeuThrVal 579
RESULT 10
US-10-270-595-6
; Sequence 6, Application US/10270595
; Publication No. US20030078409A1
; GENERAL INFORMATION:
; APPLICANT: Megalin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/10/270,595
; CURRENT FILING DATE: 2002-10-16
; PRIOR APPLICATION NUMBER: US/09/623,624
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,472
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; PRIOR FILING DATE: 1996-08-23
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-270-595-6
Alignment Scores:
Pred. No.: 9,06e-40 Length: 914
Score: 396.00 Matches: 76
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 91.67% Indels: 0
Gaps: 0
DB: 14
US-09-049-696-10 (1-229) x US-10-270-595-6 (1-914)
Qy 1 GGCACAGTGCCTGGACAGCACCGTGGGAAGGACACTTTGTTCTTATCACCTGGACA 60
Db 504 GlyThrValIleValAspSerThrValGlyLysAspThrLeuPheLeuIleThrTrpThr 523
Qy 61 AGCAGCCTCCCAAAATCCTTCTCTGGATCCAGTGGAGCAAGCAAGTGGCTTTGTA 120
Db 524 ThrGlnProGlnIleLeuLeuTrpAspProSerGlyGlnIysGlnGlyPheVal 543
Qy 121 GTGGCAAAACCAAAATGGCTACCTCAAATCCAGGCATTGCTAAGGTTGGCACT 180
Db 544 ValAspLysAsnThrLysMetAlaTyrLeuGlnIleProGlyIleAlaLysValGlyThr 563
RESULT 12
US-10-060-255-42
; Sequence 42, Application US/10060255
; Publication No. US20030113840A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 25 Human secreted proteins
; FILE REFERENCE: P2042P1
; CURRENT APPLICATION NUMBER: US/10/060,255
; CURRENT FILING DATE: 2002-02-01
; PRIOR APPLICATION NUMBER: 09/781,417
; PRIOR FILING DATE: 2001-02-13
; PRIOR APPLICATION NUMBER: PCT/US00/22325
; PRIOR FILING DATE: 2000-08-16
; PRIOR APPLICATION NUMBER: 60/149,182
; PRIOR FILING DATE: 1999-08-17
; NUMBER OF SEQ ID NOS: 86
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 42
; LENGTH: 914
US-09-049-696-10 (1-229) x US-10-270-595-6 (1-914)
Qy 1 GGCACAGTGCCTGGACAGCACCGTGGGAAGGACACTTTGTTCTTATCACCTGGACA 60
Db 504 GlyThrValIleValAspSerThrValGlyLysAspThrLeuPheLeuIleThrTrpThr 523
Qy 61 AGCAGCCTCCCAAAATCCTTCTCTGGATCCAGTGGAGCAAGCAAGTGGCTTTGTA 120
Db 524 ThrGlnProGlnIleLeuLeuTrpAspProSerGlyGlnIysGlnGlyPheVal 543
Qy 121 GTGGCAAAACCAAAATGGCTACCTCAAATCCAGGCATTGCTAAGGTTGGCACT 180
Db 544 ValAspLysAsnThrLysMetAlaTyrLeuGlnIleProGlyIleAlaLysValGlyThr 563

Qy 181 TGGAAATACAGTCTGCAAGCAAGCTCACAACCTTGACCTGACTGTC 228
Db 564 TrpLysTyrSerLeuGlnAlaSerSerGlnThrLeuThrLeuThrVal 579
RESULT 11
US-10-235-994-26
; Sequence 26, Application US/10235994
; Publication No. US20030101002A1
; GENERAL INFORMATION:
; APPLICANT: Bartha, Gabor
; APPLICANT: Walker, Michael
; TITLE OF INVENTION: METHODS FOR ANALYZING GENE EXPRESSION PATTERNS
; FILE REFERENCE: ICYTP012
; CURRENT APPLICATION NUMBER: US/10/235,994
; CURRENT FILING DATE: 2002-09-04
; PRIOR APPLICATION NUMBER: US/10/003,608
; PRIOR FILING DATE: 2001-11-01
; PRIOR APPLICATION NUMBER: 60/245,081
; PRIOR FILING DATE: 2000-11-01
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 26
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Human
US-10-235-994-26
Alignment Scores:
Pred. No.: 9,06e-40 Length: 914
Score: 396.00 Matches: 76
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 91.67% Indels: 0
Gaps: 0
DB: 14
US-09-049-696-10 (1-229) x US-10-235-994-26 (1-914)
Qy 1 GGCACAGTGCCTGGACAGCACCGTGGGAAGGACACTTTGTTCTTATCACCTGGACA 60
Db 504 GlyThrValIleValAspSerThrValGlyLysAspThrLeuPheLeuIleThrTrpThr 523
Qy 61 AGCAGCCTCCCAAAATCCTTCTCTGGATCCAGTGGAGCAAGCAAGTGGCTTTGTA 120
Db 524 ThrGlnProGlnIleLeuLeuTrpAspProSerGlyGlnIysGlnGlyPheVal 543
Qy 121 GTGGCAAAACCAAAATGGCTACCTCAAATCCAGGCATTGCTAAGGTTGGCACT 180
Db 544 ValAspLysAsnThrLysMetAlaTyrLeuGlnIleProGlyIleAlaLysValGlyThr 563
RESULT 12
US-10-060-255-42
; Sequence 42, Application US/10060255
; Publication No. US20030113840A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 25 Human secreted proteins
; FILE REFERENCE: P2042P1
; CURRENT APPLICATION NUMBER: US/10/060,255
; CURRENT FILING DATE: 2002-02-01
; PRIOR APPLICATION NUMBER: 09/781,417
; PRIOR FILING DATE: 2001-02-13
; PRIOR APPLICATION NUMBER: PCT/US00/22325
; PRIOR FILING DATE: 2000-08-16
; PRIOR APPLICATION NUMBER: 60/149,182
; PRIOR FILING DATE: 1999-08-17
; NUMBER OF SEQ ID NOS: 86
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 42
; LENGTH: 914

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; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-060-255-42

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Alignment Scores:

Pred. No.:	9, 06e-40	Length:	914
Score:	396.00	Matches:	76
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	91.67%	Indels:	0
DB:	14	Gaps:	0

US-09-049-696-10 (1-229) x US-10-060-255-42 (1-914)

QY	1	GGCAGAGTGATCGTCGACAGACACCGTGGAAAGACACACTTGTGTTCTTATCACCTGGACA	60
Db	504	GlyThrValIleValAspSerThrValGlyLysAspThrLeuPheLeuIleThrTrpThr	523
QY	61	ACGAGCGCTCCCAAAATCCTCTCTGGGATCCCAAGTGGACAGCAAGTGGCTTTGTA	120
Db	524	ThrGlnProProGlnIleLeuLeuTrpAspProSerGlyGlnLysGlnGlyGlyPheVal	543
QY	121	GTGGACAAAAACCAAAAATGGCTTACCTCCAAATCCAGGCATTGCTAAAGTTGGCACT	180
Db	544	ValAspLysAsnThrLysMetAlaTyrlLeuGlnIleProGlyIleAlaLysValGlyThr	563
QY	181	TGGAATACAGTCTCAAGCAAGCTCAAAACCTTGACCCCTGACTGTC	228
Db	564	TpLysTyrlSerLeuGlnAlaSerSerGlnThrLeuThrLeuThrVal	579

RESULT 13

US-10-369-214-133
; Sequence 133, Application US/10369214
; Publication No. US20030232037A1

; PUBLICATION NO.: 0820050622037A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Groot, Pieter C.
 ; APPLICANT: Bergenhenegouwen van, Bram J.
 ; APPLICANT: Oosterhout van, Antoon J.M.
 ; TITLE OF INVENTION: Genes involved in immune related responses observed
 ; TITLE OF INVENTION: with asthma

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/ FILE REFERENCE: PF3837US0
/ CURRENT APPLICATION NUMBER: US/10/359,214
/ CURRENT FILING DATE: 2003-02-15
/ PRIOR APPLICATION NUMBER: EP 00202867.8
/ PRIOR FILING DATE: 2000-08-16
/ PRIOR APPLICATION NUMBER: PCT/NL01/00610
/ PRIOR FILING DATE: 2001-08-16
/ NUMBER OF SEQ ID NOS: 139
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 133
/ LENGTH: 914

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; LIFE: PRI
 ; ORGANISM: Homo sapiens

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; CREATON: 11/01/00
;
; FEATURE:

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; NAME/KEY: SITE

; LOCATION: (1) .. (914)

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; OTHER INFORMATION: /note="Human CLCA1"
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US-10-369-214-133

Alignment Scores:

Pred. No.:	9.06e-40	Length:	914
Score:	396.00	Matches:	76
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	91.67%	Indels:	0
DB:	15	Gaps:	0

US-09-049-696-10 (1-229) x US-10-369-214-133 (1-914)

1 GGACAGTGATCTGGACAGCACCGTGGAAAGGACATTTGTTTCTTATCATCCTGGACA 60
504 GlyThrValIleValAspSerThrValGlyLysAspThrIeuPheIeuIleThrTrpThr 523

Qy	61	ACGCAGCCTCC	CCCAAACTCT	CTGGGATCCC	AGTGCAGACAGCAAGTGCCTTTGTA	120
Db	524	ThrGlnPro	GlnIleLeuLeuLeu	TrpSerGlyGln	mySglnGlyGlyPheVal	543
Qy	121	GTGGACAAAA	CACAAAATGG	CTCTCCAAATCC	CACGGCATTCCTGAAGCTTGGCAGCT	180
Db	544	ValAspLys	AsnThrLysMet	AlaTyrLeuGlnIle	ProGlyIleAlaLysValGlyThr	563
Qy	181	TGGAATAAC	TGCTGCAAGC	AGAGCTCACA	AAACCTTTGACCCCTGACATGTC	228
Db	564	TrpLysTyr	SerLeuGlnAla	SerGlnThrLeuThrLeu	ThrVal	579

RESULT 14

US-09-764-868-635
; Sequence 635, Application US/09764868
; Patent No. US2002016871A1

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;      COUNTRY OF ORIGIN: US09764868
;
; GENERAL INFORMATION:
;
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: FT232
; CURRENT APPLICATION NUMBER: US/09/764,868
; CURRENT FILING DATE: 2001-01-17
;

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; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 1510
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 635
; SEQ ID NO 635

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; SEQ ID NO 633
; LENGTH: 925

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; ENGIN: JES
; TYPE: PRT

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Alignment Scores:

Pred. No.:	9,096-40	Length:	925
Score:	396.00	Matches:	76
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	91.67%	Indels:	0
DB:	9	Gaps:	0

US-09-049-696-10 (1-229) x US-09-764-868-635 (1-925)

Qy	1	GGCACAGT	ATCGTGG	CAGACAC	CGTGGG	AAAGG	AGCACCTT	CTCTTCT	TATCA	CTCGG	ACA	60
Db	515	GlyThrVal	IleValAsp	SerThrVal	GlyLys	AspThrVal	GlyLys	AspThrLeu	PheLeu	IleThrTrp	Thr	534
Qy	61	ACG	CAGCTCC	CCCAAA	CTCTCT	CTGGG	ATCCC	AGTG	GACAC	AGCAAG	CGTGG	120
Db	535	ThrGln	ProProGln	IleLeu	LeuThrPasp	SerGlyGln	LysGlnGly	IleGlyPhe	Val			554
Qy	121	GTG	GACAAAA	CACCAAA	TGGCTT	CTACCT	CCAAA	TCC	CAGG	CATTG	CTAAG	180
Db	555	ValAsp	LysAsnThrLys	MetAlaTyr	LeuGln	IleProGly	IleAla	LysValGly	Thr			574
Qy	181	TGG	AAATAC	AGTCTG	CAAG	CAAGCT	CAAAA	CTTTG	ACCTG	ACCTG	ATC	228
Db	575	TrpLys	TrpSerLeu	GlnAla	SerSerGln	ThrLeu	ThrLeu	ThrVal				590

RESULT 15

US-10-106-698-6248
; Sequence 6248, Application US/10106698
; Publication No. US20030109690A1

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; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 6248
; LENGTH: 925
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-106-698-6248

Alignment Scores:
Pred. No.: 9.09e-40 Length: 925
Score: 396.00 Matches: 76
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 91.67% Indels: 0
DB: 14 Gaps: 0

US-09-049-696-10 (1-229) x US-10-106-698-6248 (1-925)

QY	1	GGCACAGTATCGTGACACGACCGTGGGAAAGGACACTTTGTTCTTATCACCTGGACA	60
DB	515	GlyThrValIleValAspSerThrValGlyLysAspThrLeuPheLeuIleThrTrpThr	534
QY	61	ACGCAGCCTCCCAAAATCCTTCTCGGATCCCGACAGCAAGCAAGTGGCTTTGTA	120
DB	535	ThrGlnProGlnIleLeuLeuTrpAspProSerGlyGlnLysGlnGlyPheVal	554
QY	121	GTGGACAAAAACCAAAATGGCGCTACCTCCAAATCCAGGCATTGCTAAGGTTGGCACT	180
DB	555	ValAspLysAsnThrLysMetAlaTyrLeuGlnIleProGlyIleAlaLysValGlyThr	574
QY	181	TGGAATACAGTCTGCAAGCAAGCTCACAAACCTTGACCTGACTGTC	228
DB	575	TrpLysTyrSerLeuGlnAlaSerSerGlnThrLeuThrLeuThrVal	590

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Job time : 35.9693 secs

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OM nucleic - nucleic search, using sw model

Run on: April 24, 2004, 00:33:00 ; Search time 21.0497 Seconds
(without alignments)
6037.311 Million cell updates/sec

Title: US-09-049-696-10
Perfect score: 229
Sequence: 1 GCACAGTATCGTGACAG.....AACCTTGACCTGACTGTCA 229

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0
Maximum DB seq length: 2000000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA.*
1: /cgn2_6/prodata/2/ina/5A COMB.seq.*
2: /cgn2_6/prodata/2/ina/5B COMB.seq.*
3: /cgn2_6/prodata/2/ina/6A COMB.seq.*
4: /cgn2_6/prodata/2/ina/6B COMB.seq.*
5: /cgn2_6/prodata/2/ina/PCUS COMB.seq.*
6: /cgn2_6/prodata/2/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	229	100.0	1512	4	US-09-016-434-850
2	229	100.0	2745	4	US-09-823-624-5
3	229	100.0	3007	4	US-09-193-562D-27
4	161.8	70.7	2931	4	US-09-623-624-1
5	107.4	46.9	3043	4	US-09-049-698-16
6	107.4	46.9	3181	4	US-09-049-698-18
7	100	43.7	201	4	US-09-049-698-6
8	63.8	27.9	3317	4	US-09-193-562D-1
9	53.6	23.4	3022	4	US-09-193-562D-33
10	52.6	23.0	3418	4	US-09-193-562D-29
11	34.2	14.9	590	4	US-09-643-597-132
12	34.2	14.9	590	4	US-09-480-884A-132
13	34.2	14.9	590	4	US-09-542-615A-132
14	34.2	14.9	590	4	US-09-606-421B-132
15	34.2	14.9	590	4	US-09-221-107-132
16	34.2	14.9	2773	4	US-09-643-597-358
17	34.2	14.9	2784	4	US-09-643-597-168
18	34.2	14.9	2784	4	US-09-480-884A-168
19	34.2	14.9	2784	4	US-09-542-615A-168
20	34.2	14.9	2784	4	US-09-606-421B-168
21	34.2	14.9	2970	4	US-09-193-562D-31
22	34.2	14.9	3156	4	US-09-919-172-86
23	34.2	14.9	3190	4	US-09-623-624-3
24	34.2	14.9	3362	4	US-09-643-597-167
25	34.2	14.9	3362	4	US-09-480-884A-167
26	34.2	14.9	3362	4	US-09-542-615A-167
27	34.2	14.9	3362	4	US-09-606-421B-167

28	34.2	14.9	3951	4	US-09-643-597-160	Sequence 160, App
29	34.2	14.9	3951	4	US-09-480-884A-160	Sequence 160, App
30	34.2	14.9	3951	4	US-09-542-615A-160	Sequence 160, App
31	34.2	14.9	3951	4	US-09-606-421B-160	Sequence 160, App
32	34.2	14.9	3951	4	US-09-221-107-160	Sequence 160, App
33	34.2	14.9	8031	4	US-09-643-597-254	Sequence 254, App
34	34.2	14.9	8031	4	US-09-480-884A-254	Sequence 254, App
35	34.2	14.9	8031	4	US-09-542-615A-254	Sequence 254, App
36	34.2	14.9	8031	4	US-09-606-421B-254	Sequence 254, App
37	31.6	13.8	4771	3	US-08-840-062-3	Sequence 3, Appli
38	31.2	13.6	2313	4	US-09-107-532A-734	Sequence 734, App
39	30.6	13.4	161852	4	US-09-497-855A-40	Sequence 40, Appli
40	29.8	13.0	31208	4	US-09-852-067-3	Sequence 3, Appli
41	29.6	12.9	1437	6	5187077-16	Patent No. 5187077
42	29.6	12.9	1437	6	5427925-14	Patent No. 5427925
43	29.4	12.8	553	4	US-09-621-976-9411	Sequence 9411, Ap
44	29	12.7	1117	4	US-09-552-225A-11	Sequence 11, Appl
45	29	12.7	1123	3	US-09-188-930-28	Sequence 28, Appl

ALIGNMENTS

RESULT 1
US-09-016-434-850
; Sequence 850, Application US/09016434
; Patent No. 6500938
; GENERAL INFORMATION:
; APPLICANT: Janice Au-Young
; APPLICANT: Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING
; TITLE OF INVENTION: PATHWAY GENE EXPRESSION
; NUMBER OF SEQUENCES: 1490
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/016,434
; FILING DATE: HEREWITH
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Zeller, Karen J.
; REGISTRATION NUMBER: 37,071
; REFERENCE/DOCKET NUMBER: PA-0002 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 850:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1512 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: COLNNOT01
; CLONE: 608819
; US-09-016-434-850

Query Match 100.0%; Score 229; DB 4; Length 1512;
Best Local Similarity 100.0%; Pred. No. 1.9e-73;

	Matches	229;	Conservative	0;	Mismatches	0;	Indels	0;	Gaps	0;
Qy	1	GGCACAGT	GATCGTGGG	CAGCAG	CCGTCGGG	AAAGGAC	ACTTTGTTTCTT	TATCACCTGG	GACA	60
Db	234	GGCACAGT	GATCGTGGG	CAGCAG	CCGTCGGG	AAAGGAC	ACTTTGTTTCTT	TATCACCTGG	GACA	293
Qy	61	ACGCAG	CCTCCCC	AAATCCTT	CTCTGGG	ATCCCATGGG	ACAGAGCAAG	GGTGGCTTTG	TGA	120
Db	294	ACGCAG	CCTCCCC	AAATCCTT	CTCTGGG	ATCCCATGGG	ACAGAGCAAG	GGTGGCTTTG	TGA	353
Qy	121	GTGGAC	AAAAAC	ACAAAA	TGGCCCT	TACTCC	CAAAATCC	CAGGCA	TGCTTAAGGTTGG	CACT 180
Db	354	GTGGAC	AAAAAC	ACAAAA	TGGCCCT	TACTCC	CAAAATCC	CAGGCA	TGCTTAAGGTTGG	CACT 413
Qy	181	TGGAAAT	AACAGT	CTGGCA	GCAAGT	CTCAAA	ACCTTG	ACCC	TGACTGT	GCA 229
Db	414	TGGAAAT	AACAGT	CTGGCA	GCAAGT	CTCAAA	ACCTTG	ACCC	TGACTGT	GCA 462

RESULT 2
US-09-623-624-5
; Sequence 5, Application US/09623624
; Patent No. 6576434
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Acopic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/09/623,624
; CURRENT FILING DATE: 2000-09-06

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Query Match      100.0%; Score 229; DB 4; Length 2745;
Best Local Similarity 100.0%; Pres. No. 2.6e-73;
Matches 229; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1  GGCACTGATCGTGGAGACAGCACCGTGGGAAAGGACACTTTGTTTCTTATCACTCGACA 60
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Db 1510 GGCACTGATCGTGGAGACAGCACCGTGGGAAAGGACACTTTGTTTCTTATCACTCGACA 1569

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[illegible]

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RESULT 3
US-09-193-562D-27
; Sequence 27, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; CHANNEL-ADHESION MOLECULES
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; CURRENT FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 27
; LENGTH: 3007
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-193-562D-27

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Query Match	100.0%;	Score 229;	DB 4;	Length 3007;
Best Local Similarity	100.0%;	Pred. No. 2.7e-73;		

Qy	1	GGCACAGTGATCGTGGACAGCACGCTGGGAAAGGACACTTTGTGTTCTTATCACTGGACA	60
Db	1556	GGCACAGTGATCGTGGACAGCACGCTGGGAAAGGACACTTTGTGTTCTTATCACTGGACA	1615
Qy	61	ACGAGCGCTCCCAAAATCCTTCTCTGGATCCCAAGTGGACAGACGAAGTGGCTTTGTA	120
Db	1616	ACGAGCGCTCCCAAAATCCTTCTCTGGATCCCAAGTGGACAGACGAAGTGGCTTTGTA	1675
Qy	121	GTGGACAAAAACACCAAAATGGCGTCACTCCAAATCCAGGCAATGCTAAAGTTGGCACT	180
Db	1676	GTGGACAAAAACACCAAAATGGCGTCACTCCAAATCCAGGCAATGCTAAAGTTGGCACT	1735
Qy	181	TGGAATACAGTCTGCAAGCAAGCTCAAAACCTTGACCTGACTGTCA	229
Db	1736	TGGAATACAGTCTGCAAGCAAGCTCAAAACCTTGACCTGACTGTCA	1784

RESULT 4
US-09-623-624-1
; Sequence 1, Application US/09623624
; Patent No. 6576434
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/09/623,624
; CURRENT FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23

RESULT 5
US-09-049-698-16
; Sequence 16, Application US/09049698
; Patent No. 6368792
; GENERAL INFORMATION:
; APPLICANT: BILLING-MEDEL, PATRICIA A.
; APPLICANT: COHEN, MAURICE
; APPLICANT: COLPITTS, TRACEY L.
; APPLICANT: FRIEDMAN, PAULA N.
; APPLICANT: HAYDEN, MARK
; APPLICANT: KLASS, MICHAEL R.
; APPLICANT: ROBERTS-RAPP, LISA
; APPLICANT: RUSSELL, JOHN C.
; APPLICANT: STROUPE, STEPHEN D.
; TITLE OF INVENTION: REAGENTS AND METHODS FOR THE
; TITLE OF INVENTION: USEFUL FOR DETECTING DISEASES OF THE GASTROINTESTINAL
; TITLE OF INVENTION: TRACT
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Abbott Laboratories
; STREET: 100 Abbott Park Road
; CITY: Abbott Park
; STATE: IL

RESULT 6
US-09-049-698-18
Sequence 18, Application US/09049698
Patent No. 6368792
GENERAL INFORMATION:
APPLICANT: BILLING-MEDEL, PATRICIA A.
APPLICANT: COHEN, MAURICE
APPLICANT: COLPITTS, TRACEY L.
APPLICANT: FRIEDMAN, PAULA N.
APPLICANT: HAYDEN, MARK
APPLICANT: KLASS, MICHAEL R.
APPLICANT: ROBERTS-RAPP, LISA
APPLICANT: RUSSELL, JOHN C.
APPLICANT: STROUPE, STEPHEN D.
TITLE OF INVENTION: REAGENTS AND METH
TITLE OF INVENTION: USEFUL FOR DETECT
TITLE OF INVENTION: TRACT
NUMBER OF SEQUENCES: 51
CORRESPONDENCE ADDRESS:
ADDRESSEE: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park

```
/ STATE: IL
/ COUNTRY: USA
/ ZIP: 60064-3500
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Diskette
/ COMPUTER: IBM Compatible
/ OPERATING SYSTEM: DOS
/ SOFTWARE: FastSeq for Windows Version 2.0
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/09/049,698
/ FILING DATE:
/ CLASSIFICATION:
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 08/828,856
/ FILING DATE: 31-MAR-1997
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Becker, Cheryl L.
/ REGISTRATION NUMBER: 35,441
/ REFERENCE/DOCKET NUMBER: 6068.US.P1
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 847/935-1729
/ TELEFAX: 847/938-2623
/ TELEX:
/ INFORMATION FOR SEQ ID NO: 18:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 3181 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ US-09-049-698-18

Query Match 46.9%; Score 107.4; DB 4; Length 3181;
Best Local Similarity 66.8%; Pred. No. 6.5e-29;
Matches 153; Conservative 0; Mismatches 76; Indels 0; Gaps 0;

QY 1 GGACAGTGTCTGGACAGCACCGTGGGAAAGGACACTTTGTTTATCATCCTGGACA 60
Db 1537 GACACTGTCTAATTCATAGTACAGTGGGAAAGGACACGTTCTTCTCATCATGGAAC 1596
QY 61 AGCAGCTCCCAAAATCTTCTCTGGATCCAGTGACAGACAGCAAGTGGCTTTGTA 120
Db 1597 AGTCTGCTCCCAAGTATTTCTCTCTGGATCCAGTGGGAAACATATGGAATTTTCA 1656
QY 121 GTGGCAAAACACCAAAATGCTTCTTCTGATCCAGTGACAGACAGTGGCTTGCAC 180
Db 1657 GTGGATGCAACTTCCAAATGGCTTCTGATTTCCAGGAACTGCAAAAGTGGGCACT 1716
QY 181 TGGAAATACAGTGTGCAAGCAAGCTCACAACCTTGACCTGACTGTCA 229
Db 1717 TGGGCATACAACTTCAAGCCAAAGCAAGCCAGAACATTAATTA 1765

RESULT 7
US-09-049-698-6
/ Sequence 6, Application US/09049698
/ Patent No. 6368792
/ GENERAL INFORMATION:
/ APPLICANT: BILLING-MEDEL, PATRICIA A.
/ APPLICANT: COHEN, MAURICE
/ APPLICANT: COLPITTS, TRACEY L.
/ APPLICANT: FRIEDMAN, PAULA N.
/ APPLICANT: HAYDEN, MARK
/ APPLICANT: KLASS, MICHAEL R.
/ APPLICANT: ROBERTS-RAPP, LISA
/ APPLICANT: RUSSELL, JOHN C.
/ APPLICANT: STROUPE, STEPHEN D.
/ TITLE OF INVENTION: REAGENTS AND METHODS FOR THE
/ TITLE OF INVENTION: USEFUL FOR DETECTING DISEASES OF THE GASTROINTESTINAL
/ TRACT
/ NUMBER OF SEQUENCES: 51
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Abbott Laboratories
/ STREET: 100 Abbott Park Road
```

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/ CITY: Abbott Park
/ STATE: IL
/ COUNTRY: USA
/ ZIP: 60064-3500
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Diskette
/ COMPUTER: IBM Compatible
/ OPERATING SYSTEM: DOS
/ SOFTWARE: FastSeq for Windows Version 2.0
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/09/049,698
/ FILING DATE:
/ CLASSIFICATION:
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 08/828,856
/ FILING DATE: 31-MAR-1997
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Becker, Cheryl L.
/ REGISTRATION NUMBER: 35,441
/ REFERENCE/DOCKET NUMBER: 6068.US.P1
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 847/935-1729
/ TELEFAX: 847/938-2623
/ TELEX:
/ INFORMATION FOR SEQ ID NO: 6:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 201 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ FEATURE:
/ NAME/KEY: base_polymorphism
/ LOCATION: 24
/ OTHER INFORMATION: /note= " N' represents an A or G or
/ OTHER INFORMATION: T or C polymorphism at this position"
/ US-09-049-698-6

Query Match 43.7%; Score 100; DB 4; Length 201;
Best Local Similarity 70.4%; Pred. No. 7.9e-27;
Matches 133; Conservative 0; Mismatches 56; Indels 0; Gaps 0;

QY 14 TGGACAGCACCGTGGGAAAGGACACTTTGTTTATCACTGGACACGACGCTCCCC 73
Db 3 TTGATAGTACAGTGGGAAAGGACAGTTTCTTCTCATCATGGAACAGTCTGCTCCCA 62
QY 74 AAATCCTTCTCTGGATCCAGTGGACAGACAGAGTGGCTTTGTAGTGGACAAAACA 133
Db 63 GTATTCTCTCTGGATCCAGTGGACAAATAATGGAATAATTCACAGTGGATGCAACTT 122
QY 134 CCAAAATGCTTACCTCCAAATCCAGGCAATGCTAAGCTTGGCACTTGGAAATACAGTC 193
Db 123 CCAAAATGCTTATCTCAGTATTCAGGAACGTCAGGAGTGGGCACTTGGGCATACAATC 182
QY 194 TGCAAGCAA 202
Db 183 TTCAAGCCA 191

RESULT 8
US-09-193-562D-1
/ Sequence 1, Application US/09193562D
/ Patent No. 6309857
/ GENERAL INFORMATION:
/ APPLICANT: Pauli, Benedicht U.
/ TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
/ TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
/ FILE REFERENCE: 18617.0052
/ CURRENT APPLICATION NUMBER: US/09/193,562D
/ CURRENT FILING DATE: 1998-11-17
/ PRIOR APPLICATION NUMBER: US/60/065,922
/ PRIOR FILING DATE: 1997-11-17
/ NUMBER OF SEQ ID NOS: 47
/ SEQ ID NO 1
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```

; LENGTH: 3317
; TYPE: DNA
; ORGANISM: Unknown
; FEATURES:
; OTHER INFORMATION: sequence encoding Lu-ECAM-1 and Lu-ECAM-1 associated
; OTHER INFORMATION: protein from bovine endothelial cells
US-09-193-562D-1

Query Match                27.9%; Score 63.8; DB 4; Length 3317;
Best Local Similarity 60.9%; Pred. No. 5.3e-13;
Matches 126; Conservative 0; Mismatches 72; Indels 9; Gaps 1;

QY 1 GGCACAGTGTCTGGACAGACCGTGGGAAAGACACTTTGTTCTTATCACCCTGGACA 60
Db 1578 GGCACAGTGCCTGTAGACAGTACAGTTGGAAATGACACTTTCTTTGTTGTACATGGACA 1637

QY 61 ACGCAGCGCTCCCAAATCCTTCTCTGGATCCCAAGTGGACAGAGAACA-----AGGT 111
Db 1638 ATACAAAACAGAAATGTTCTTCAAGATCCAAAGAAAGAATAATAAAACCTCGAT 1697

QY 112 GGCCTTTGTAGTGGACAAAACACCAAAATGGCCTTACCTCCAAATCCCAGGCAATTCCTAAG 171
Db 1698 TTCAAAAGACAGTAAGTTAAATATTCGATCTGCTGCTGCAATACCTGGTATTCACAG 1757

QY 172 GTTGGCACTTGGAAATACAGTCTGCAA 198
Db 1758 ACAGGTACTTGGACTTACAGCCTTCTA 1784

RESULT 9
US-09-193-562D-33
; Sequence 33, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedict U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; CURRENT FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 33
; LENGTH: 3022
; TYPE: DNA
; ORGANISM: Mus musculus
US-09-193-562D-33

Query Match                23.4%; Score 53.6; DB 4; Length 3022;
Best Local Similarity 58.5%; Pred. No. 2.7e-09;
Matches 117; Conservative 0; Mismatches 74; Indels 9; Gaps 1;

QY 1 GGCACAGTGTCTGGACAGACCGTGGGAAAGACACTTTGTTCTTATCACCCTGGACA 60
Db 1530 GGTACAGTACTCTGGACAGTACCGTGGCAACGACACGTTCTTTGTTATCACCTGGATG 1589

QY 61 ACGCAGCGCTCCCAAATCCTTCTCTGGATCCCAAGTGGACAGAGA-----AGGT 111
Db 1590 GTAAAAAGCCAGAAATCATTTCTTCAAGATCCAAAGGAAAAAATAATACAACCTCAGAT 1649

QY 112 GGCCTTTGTAGTGGACAAAACACCAAAATGGCCTTACCTCCAAATCCCAGGCAATTCCTAAG 171
Db 1650 TTCCAAGATGATAAATACTTAACATCCGGTCTGTAGACTTCAATATACGGGCACCTGCAG 1709

QY 172 GTTGGCACTTGGAAATACAG 191
Db 1710 ACAGGTACTTGGACTTACAG 1729

RESULT 10
US-09-193-562D-29
; Sequence 29, Application US/09193562D

```

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; Patent No. 5309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Sequences Encoding Mammalian Calcium
; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; CURRENT FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 29
; LENGTH: 3418
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-193-562D-29

Query Match          23.0%; Score 52.6; DB 4; Length 3418;
Best Local Similarity 57.5%; Pred. No. 6.6e-09;
Matches 119; Conservative 0; Mismatches 79; Indels 9; Gaps 1;

Qy      1  GGCACAGTGATCGTGGACAGCACGCGTGGGAAAGACACACTTTGTTTCTTATCAGCTGGACA 60
Db      1588  GGTACAGTGCGCTGTGGATAGTACAGTTAGAAATGATCTTCCTTTGTTGTCACATGGACG 1647

Qy      61  ACCGAGCGCTCCCAAAATCTTCTCTGGATCCAGATGGACAGAGCAAGGTGGCTTTGT- 119
Db      1648  ATACAAAGCCAGCAATAATCTTCAAGATCCAAAGGAAAAAATATATACTACCTCAGAT 1707

Qy      120  -----AGTGACAAAACACAAAATGGCTACCTCCAAATCCAGGCATGCTTAAG 171
Db      1708  TTTCAAGAGGTGAACCTAAATATTCGGCTGCGCCGCTTCCGAATACAGGTATTGCAGAG 1767

Qy      172  GTTGGCAGCTTGGAAATACAGCTGTGCAA 198
Db      1768  ACAGGCACCTTGGACTTACAGCGTTGGA 1794

RESULT 11
US-09-643-597-132
; Sequence 132, Application US/09643597
; Patent No. 6426072
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hoeken, Nancy
; APPLICANT: Fanger, Gary R.
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Henderson, Robert A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.455C11
; CURRENT APPLICATION NUMBER: US/09/643,597
; CURRENT FILING DATE: 2000-08-21
; NUMBER OF SEQ ID NOS: 369
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 132
; LENGTH: 590
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-643-597-132

Query Match          14.9%; Score 34.2; DB 4; Length 590;
Best Local Similarity 76.4%; Pred. No. 0.014;
Matches 42; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

Qy      3  CACAGTGATCGTGGACAGCACCGTGGGAAAGGACACTTTGTTTCTTATCAGCTGG 57

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Db      321 CACAGTGACTGGGATAAATACTGTGGCAACGACACATATGTTTCTAGTTACGTGG 375

RESULT 12
US-09-480-884A-132
; Sequence 132, Application US/09480884A
; Patent No. 6482597
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Hosken, Nancy A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.455C6
; CURRENT APPLICATION NUMBER: US/09/480,884A
; CURRENT FILING DATE: 2001-08-27
; NUMBER OF SEQ ID NOS: 330
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 132
; LENGTH: 590
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-480-884A-132

Query Match      14.9%; Score 34.2; DB 4; Length 590;
Best Local Similarity 76.4%; Pred. No. 0.014;
Matches 42; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

QY      3 CACAGTGATCGTGGACAGCACCGTGGAAAGGACACTTTGTTTCTTATCACCTGG 57
Db      321 CACAGTGACTGGGATAAATACTGTGGCAACGACACATATGTTTCTAGTTACGTGG 375

RESULT 13
US-09-542-615A-132
; Sequence 132, Application US/09542615A
; Patent No. 6518256
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy A.
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.455C8
; CURRENT APPLICATION NUMBER: US/09/542,615A
; CURRENT FILING DATE: 2000-04-14
; NUMBER OF SEQ ID NOS: 350
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 132
; LENGTH: 590
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-542-615A-132

Query Match      14.9%; Score 34.2; DB 4; Length 590;
Best Local Similarity 76.4%; Pred. No. 0.014;
Matches 42; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

QY      3 CACAGTGATCGTGGACAGCACCGTGGAAAGGACACTTTGTTTCTTATCACCTGG 57
Db      321 CACAGTGACTGGGATAAATACTGTGGCAACGACACATATGTTTCTAGTTACGTGG 375

RESULT 14
US-09-606-421B-132
; Sequence 132, Application US/09606421B
; Patent No. 6531315
; GENERAL INFORMATION:
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; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy
; APPLICANT: Fanger, Gary R.
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.455C9
; CURRENT APPLICATION NUMBER: US/09/606,421B
; CURRENT FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 358
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 132
; LENGTH: 590
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-606-421B-132

Query Match      14.9%; Score 34.2; DB 4; Length 590;
Best Local Similarity 76.4%; Pred. No. 0.014;
Matches 42; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

QY      3 CACAGTGATCGTGGACAGCACCGTGGAAAGGACACTTTGTTTCTTATCACCTGG 57
Db      321 CACAGTGACTGGGATAAATACTGTGGCAACGACACATATGTTTCTAGTTACGTGG 375

RESULT 15
US-09-221-107-132
; Sequence 132, Application US/09221107
; Patent No. 6660838
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY OF LUNG CANCER
; FILE REFERENCE: 210121.455C2
; CURRENT APPLICATION NUMBER: US/09/221,107
; CURRENT FILING DATE: 1998-12-22
; NUMBER OF SEQ ID NOS: 161
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 132
; LENGTH: 590
; TYPE: DNA
; ORGANISM: Human
US-09-221-107-132

Query Match      14.9%; Score 34.2; DB 4; Length 590;
Best Local Similarity 76.4%; Pred. No. 0.014;
Matches 42; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

QY      3 CACAGTGATCGTGGACAGCACCGTGGAAAGGACACTTTGTTTCTTATCACCTGG 57
Db      321 CACAGTGACTGGGATAAATACTGTGGCAACGACACATATGTTTCTAGTTACGTGG 375

Search completed: April 24, 2004, 05:01:06
Job time : 22.0497 secs
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GenCore version 5.1.6
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Run on: April 21, 2004, 16:13:29 ; Search time 11.6857 Seconds
(without alignments)
2023.381 Million cell updates/sec

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Perfect score: 432
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Ygapop 10.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 778828

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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-LOOPEXT=0 -UNITS=bits -START=1 -END=1 -MATRIX=blosum62 -TRANS=human40.cdi
-LIST=45 -DOCALIGN=200 -THR SCORE=pct -THR MAX=100 -THR MIN=0 -ALIGN=15
-MODE=LOCAL -OUTFMT=ptc -NORM=ext -HEAPSIZE=500 -MINLEN=0 -MAXLEN=2000000000
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-NO WMAP -LARGEQUERY -NEG_SCORES=0 -WAIT -DSPBLOCK=100 -LONGLOG
-DBV_TIMEOUT=120 -WARN_TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5 -FGAPOP=6
-FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database : Issued Patents AA:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	396	91.7	914	4	US-09-193-562D-28
2	396	91.7	914	4	US-09-623-624-6
3	319	73.8	913	4	US-09-623-624-2
4	263	60.9	917	4	US-09-049-698-41
5	219	50.7	795	4	US-09-193-562D-11
6	219	50.7	821	4	US-09-193-562D-12
7	219	50.7	905	4	US-09-193-562D-2
8	205	47.5	903	4	US-09-193-562D-46
9	205	47.5	903	4	US-09-623-624-18
10	190	44.0	902	4	US-09-193-562D-34
11	179	41.4	1000	4	US-09-193-562D-30
12	171	39.6	791	4	US-09-643-597-170

13	171	39.6	791	4	US-09-480-884A-170	Sequence 170, App
14	171	39.6	791	4	US-09-542-615A-170	Sequence 170, App
15	171	39.6	791	4	US-09-606-421B-170	Sequence 170, App
16	171	39.6	920	4	US-09-643-597-357	Sequence 357, App
17	171	39.6	942	4	US-09-919-172-87	Sequence 87, Appl
18	171	39.6	943	4	US-09-643-597-161	Sequence 161, App
19	171	39.6	943	4	US-09-480-884A-161	Sequence 161, App
20	171	39.6	943	4	US-09-542-615A-161	Sequence 161, App
21	171	39.6	943	4	US-09-606-421B-161	Sequence 161, App
22	171	39.6	943	4	US-09-623-624-4	Sequence 4, Appl
23	171	39.6	943	4	US-09-221-107-161	Sequence 161, App
24	167.5	38.8	592	4	US-09-643-597-169	Sequence 169, App
25	167.5	38.8	592	4	US-09-480-884A-169	Sequence 169, App
26	167.5	38.8	592	4	US-09-542-615A-169	Sequence 169, App
27	167.5	38.8	592	4	US-09-606-421B-169	Sequence 169, App
28	162	37.5	943	4	US-09-193-562D-32	Sequence 32, Appl
29	89	20.6	24	4	US-09-623-624-16	Sequence 16, Appl
30	70.5	16.3	123	4	US-09-673-395A-608	Sequence 608, App
31	67.5	15.6	176	4	US-09-252-991A-23290	Sequence 23290, A
32	67	15.5	241	1	US-08-235-838-11	Sequence 11, Appl
33	67	15.5	241	2	US-09-252-991A-24922	Sequence 24922, A
34	67	15.5	473	1	US-08-465-473B-11	Sequence 11, Appl
35	67	15.5	637	1	US-08-235-838-16	Sequence 16, Appl
36	67	15.5	637	2	US-08-465-473B-16	Sequence 16, Appl
37	67	15.8	2321	4	US-09-230-652-2	Sequence 2, Appl
38	66	15.3	635	4	US-08-506-296B-71	Sequence 71, Appl
39	66	15.3	658	4	US-09-543-681A-5984	Sequence 5984, Ap
40	65.5	15.2	219	4	US-09-252-991A-22521	Sequence 22521, A
41	65	15.0	119	2	US-08-800-198-2	Sequence 2, Appl
42	65	15.0	119	3	US-09-296-595-2	Sequence 2, Appl
43	65	15.0	240	2	US-08-800-198-8	Sequence 8, Appl
44	65	15.0	240	3	US-09-296-595-8	Sequence 8, Appl
45	65	15.0	503	2	US-08-724-281-2	Sequence 2, Appl

ALIGNMENTS

RESULT 1
US-09-193-562D-28
; Sequence 28, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; FILE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; CURRENT FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 28
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-193-562D-28

Alignment Scores:				
Pred. No.:	1.12e-40	Length:	914	
Score:	396.00	Matches:	76	
Percent Similarity:	100.00%	Conservative:	0	
Best Local Similarity:	100.00%	Mismatches:	0	
Query Match:	91.67%	Indels:	0	
DB:	4	Gaps:	0	
US-09-049-696-10 (1-228) x US-09-193-562D-28 (1-914)				
QY	1	GGCACAGTGCCTGGACAGCCGCGGGAAGGACCTTTGTTCTTATCACCTGCACA	60	
DB	504	GlyThrValIleValAspSerThrValGlyIysAspThrLeuPheLeuIleThrTrpThr	523	
QY	61	AGCGACGCTCCCAAAATCCTTCTCTGGATCCCAAGTGGACAGCAAGCTGCTTTGTA	120	

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Db 524 ThrGlnProGlnIleLeuLeuTrpAspProSerGlyGlnIleGlnGlyGlyPheVal 543
QY 121 GTGGACAAACACCAAAATGGCTACCTCCAAATCCAGGCACTTGTAAAGTTGGCACT 180
Db 544 ValAspLysAsnThrLysMetAlaTyrLeuGlnIleProGlyIleAlaLysValGlyThr 563
QY 181 TGGAAATACAGTCTGCAAGCAAGCTCACAAACCTTGACCCCTGACTGTC 228
Db 564 TrpLysTyrSerLeuGlnAlaSerSerGlnThrLeuThrVal 579
RESULT 2
US-09-623-624-6
; Sequence 6, Application US/09623624
; Patent No. 6576434
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/09/623,624
; CURRENT FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,472
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,105
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,110
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,168
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/980,872
; PRIOR FILING DATE: 1997-12-01
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-623-624-6
Alignment Scores:
Pred. No.: 1,12e-40 Length: 914
Score: 396.00 Matches: 76
Percent Similarity: 100.00% Conservatives: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 91.67% Indels: 0
DB: 4 Gaps: 0
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QY 1 GGCACAGTGCCTGGACAGCCGCTGGGAAGGACACTTGTTCCTTATCACCTGGACA 60
Db 504 GlyThrValIleValAspSerThrValGlyLysAspThrLeuPheLeuIleThrTrpThr 523
QY 61 AGCGAGCTCCCAAAATCCTCTCTGGATCCAGTGGACAGCAAGCGCTGCTTGTGA 120
Db 524 ThrGlnProGlnIleLeuLeuTrpAspProSerGlyGlnIleGlnGlyPheVal 543
QY 121 GTGGACAAACACCAAAATGGCTACCTCCAAATCCAGGCACTTGTAAAGTTGGCACT 180
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Db 544 ValAspLysAsnThrLysMetAlaTyrLeuGlnIleProGlyIleAlaLysValGlyThr 563
QY 181 TGGAAATACAGTCTGCAAGCAAGCTCACAAACCTTGACCCCTGACTGTC 228
Db 564 TrpLysTyrSerLeuGlnAlaSerSerGlnThrLeuThrVal 579
RESULT 3
US-09-623-624-2
; Sequence 2, Application US/09623624
; Patent No. 6576434
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/09/623,624
; CURRENT FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,472
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,110
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,168
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/980,872
; PRIOR FILING DATE: 1997-12-01
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 913
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-623-624-2
Alignment Scores:
Pred. No.: 4,06e-31 Length: 913
Score: 319.00 Matches: 58
Percent Similarity: 88.16% Conservatives: 9
Best Local Similarity: 76.32% Mismatches: 9
Query Match: 73.84% Indels: 0
DB: 4 Gaps: 0
US-09-049-696-10 (1-229) x US-09-623-624-2 (1-913)
QY 1 GGCACAGTGCCTGGACAGCCGCTGGGAAGGACACTTGTTCCTTATCACCTGGACA 60
Db 505 GlySerValIleValAspSerThrValGlyLysAspThrLeuPheLeuIleThrTrpThr 524
QY 61 AGCGAGCTCCCAAAATCCTCTCTGGATCCAGTGGACAGCAAGCGCTGCTTGTGA 120
Db 525 ThrHisProThrIlePheIleThrPheProSerGlyValGluGlnAsnGlyPheIle 544
QY 121 GTGGACAAACACCAAAATGGCTACCTCCAAATCCAGGCACTTGTAAAGTTGGCACT 180
Db 545 LeuAspThrThrThrLysValAlaTyrLeuGlnValProGlyThrAlaLysValGlyPhe 564
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QY 181 TCGAATACAGTCTGCAAGCAAGCTCACAAACCTTGACCCCTGACTGTC 228
Db 565 TrpLysTySerIleGlnAlaSerSerGlnThrLeuThrLeuThrVal 580

RESULT 4
US-09-049-698-41
; Sequence 41, Application US/09049698
; Patent No. 6368792
; GENERAL INFORMATION:
; APPLICANT: BILLING-MEDEL, PATRICIA A.
; APPLICANT: COHEN, MAURICE
; APPLICANT: COLPITTS, TRACEY L.
; APPLICANT: FRIEDMAN, PAULA N.
; APPLICANT: HAYDEN, MARK
; APPLICANT: KLASS, MICHAEL R.
; APPLICANT: ROBERTS-RAPP, LISA
; APPLICANT: RUSSELL, JOHN C.
; APPLICANT: STROUPE, STEPHEN D.
; TITLE OF INVENTION: REAGENTS AND METHODS FOR THE
; TITLE OF INVENTION: USEFUL FOR DETECTING DISEASES OF THE GASTROINTESTINAL
; TITLE OF INVENTION: TRACT
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Abbott Laboratories
; STREET: 100 Abbott Park Road
; CITY: Abbott Park
; STATE: IL
; COUNTRY: USA
; ZIP: 60064-3500
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/049,698
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/828,856
; FILING DATE: 31-MAR-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Becker, Cheryl L.
; REGISTRATION NUMBER: 35,441
; REFERENCE/DOCKET NUMBER: 6068.US.P1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 847/935-1729
; TELEFAX: 847/938-2623
; TELEX:
; INFORMATION FOR SEQ ID NO: 41:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 917 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: No. 6368792e
US-09-049-698-41

Alignment Scores:
Pred. No.: 3.65e-24 Length: 917
Score: 263.00 Matches: 51
Percent Similarity: 75.32% Conservative: 7
Best Local Similarity: 66.23% Mismatches: 17
Query Match: 60.88% Indels: 2
DB: 4 Gaps: 1

US-09-049-696-10 (1-229) x US-09-049-698-41 (1-917)
QY 4 ACAGTGTGTCGACAGCACCGTGGGAAAGGACACTTTGTTCTTATCACCTGGACAAG 63
Db 506 ThrValIleIleAspSerThrValGlyLysAspThrPhePheLeuLeuThrIlePheSer 525
QY 64 CAGCCTCCCAAAATCCTTCTCTGGGATCCCGAGTGGACAGCAAGGTGGCTTTGTAGTG 123

Db 526 LeuProSerIleSerLeuTrpAspProSerGlyThrIleMetGluAsnPheThrVal 545
QY 124 GACAAAAACACCAAAATGGCTTACCTCCAAATCCGAGGCAATTCCTAAGGTTTGCACTTGG 183
Db 546 AspAlaThrSerLysMetAlaTyLeuSerIleProGlyThrAlaLysValGlyThrTrp 565
QY 184 AAATACAGTCTGCAAGCAAGCTCA-----CAAACCTTGACCCCTGACTGTC 228
Db 566 AlaTyAsnLeuGlnAlaLysAlaAsnProGluThrLeuThrIleThrVal 582

RESULT 5
US-09-193-562D-11
; Sequence 11, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; CURRENT FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 11
; LENGTH: 795
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Variant of Lu-ECAM-1 from bovine endothelial cells
US-09-193-562D-11

Alignment Scores:
Pred. No.: 1.02e-18 Length: 795
Score: 219.00 Matches: 49
Percent Similarity: 69.51% Conservative: 8
Best Local Similarity: 59.76% Mismatches: 19
Query Match: 50.69% Indels: 6
DB: 4 Gaps: 3

US-09-049-696-10 (1-229) x US-09-193-562D-11 (1-795)
QY 1 GCACAGTGTGTCGACAGCACCGTGGGAAAGGACACTTTGTTCTTATCACCTGGACA 60
Db 506 GlyThrValProValAspSerThrValGlyAsnAspThrPhePheValValThrTrpThr 525
QY 61 ACGCAGCCTCCCAAAATCCTTCTCTGGGATCCCGAGTGGACAG-----AAGCAAGTGGC 114
Db 526 IleGlnLysProGluIleValLeuGlnAspProLysGlyLysLysTyLysThrSerAsp 545
QY 115 TTTGTAGTGGACAAA---AACACCAAAATGGCTACTCCAAATCCGAGCAATTCGTAAG 171
Db 546 PheLysGluAspLysLeuAsnIleArgSerAlaArgLeuGlnIleProGlyIleAlaGlu 565
QY 172 GTTGGCACTTGGAATACAGTCTG-----CAAGCAAGCTCACAAACCTTGACCCCTG 222
Db 566 ThrGlyThrTrpThrTySerLeuLeuAsnHisAlaSerSerGlnMetLeuThrVal 585

Alignment Scores:
Pred. No.: 223 ACTGTC 228
Score: 586 ThrVal 587

RESULT 6
US-09-193-562D-12
; Sequence 12, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D

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; CURRENT FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 12
; LENGTH: 821
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Variant of Lu-ECAM-1 from bovine endothelial cells
US-09-193-562D-12

Alignment Scores:
Pred. No.:      1,03e-18      Length:      821
Score:          219.00      Matches:      49
Percent Similarity: 69.51%      Conservative: 8
Best Local Similarity: 59.76%      Mismatches: 19
Query Match:      50.69%      Indels:      6
DB:              4          Gaps:      3

US-09-049-696-10 (1-229) x US-09-193-562D-12 (1-821)

QY 1 GGCACAGTCATCGTGACAGCACCGCTGGGAAAGGACACTTTCTTCTTATCACCTGGACA 60
   |||||
Db 506 GlyThrValProValAspSerThrValGlyAsnAspThrPhePheValValThrTrpThr 525
   |||||

QY 61 AGCAGCCTCCCAAAATCCTTCTCTGGGATCCCAAGTGACAG-----AAGCAAGTGGC 114
   |||||
Db 526 IleGlnLysProGluIleValLeuGlnAspProLysGlyLysTyrLysThrSerAsp 545
   |||||

QY 115 TTTGTAGTGGACAAA---AACACCAAAATGGCTACCTCCCAATCCAGGCATTGCTAAG 171
   |||||
Db 546 PheLysGluAspLysLeuAsnIleArgSerAlaArgLeuGlnIleProGlyIleAlaGlu 565
   |||||

QY 172 GTTGGCACTTGGAAATACAGTCTG-----CAAGCAAGCTCAAAACCTTGACCCGTG 222
   |||||
Db 566 ThrGlyThrTrpThrTyrSerLeuLeuAsnAsnHisAlaSerSerGlnMetLeuThrVal 585
   |||||

QY 223 ACTGTC 228
   |||||
Db 586 ThrVal 587

RESULT 8
US-09-193-562D-46
; Sequence 46, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; FILE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; CURRENT FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 46
; LENGTH: 903
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Calcium sensitive chloride channel from bovine tracheal
; OTHER INFORMATION: epithelium (Cunningham et al., 1995, J. Biol Chem., 270:31016-
US-09-193-562D-46

Alignment Scores:
Pred. No.:      5.77e-17      Length:      903
Score:          205.00      Matches:      46
Percent Similarity: 67.07%      Conservative: 9
Best Local Similarity: 56.10%      Mismatches: 21
Query Match:      47.45%      Indels:      6
DB:              4          Gaps:      3

US-09-049-696-10 (1-229) x US-09-193-562D-46 (1-903)

QY 1 GGCACAGTCATCGTGACAGCACCGCTGGGAAAGGACACTTTCTTCTTATCACCTGGACA 60
   |||||
Db 505 GlyThrValProValAspSerThrIleGlyAsnAspThrPhePheValValThrTrpThr 524
   |||||

QY 61 AGCAGCCTCCCAAAATCCTTCTCTGGGATCCCAAGTGACAG-----AAGCAAGTGGC 114
   |||||
Db 525 IleLysLysProGluIleLeuLeuGlnAspProLysGlyLysTyrLysThrSerAsp 544
   |||||

QY 115 TTTGTAGTGGACAAA---AACACCAAAATGGCTACCTCCCAATCCAGGCATTGCTAAG 171
   |||||
Db 545 PheLysGluAspLysLeuAsnIleHisSerAlaArgLeuArgIleProGlyIleAlaGlu 564
   |||||

QY 172 GTTGGCACTTGGAAATACAGTCTG-----CAAGCAAGCTCAAAACCTTGACCCGTG 222
   |||||
Db 565 ThrGlyThrTrpThrTyrSerLeuLeuAsnAsnHisAlaSerProGlnIleLeuThrVal 584
   |||||

QY 223 ACTGTC 228
   |||||

US-09-049-696-10 (1-229) x US-09-193-562D-2 (1-905)
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; CURRENT FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 12
; LENGTH: 821
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Variant of Lu-ECAM-1 from bovine endothelial cells
US-09-193-562D-12

Alignment Scores:
Pred. No.:      1,03e-18      Length:      821
Score:          219.00      Matches:      49
Percent Similarity: 69.51%      Conservative: 8
Best Local Similarity: 59.76%      Mismatches: 19
Query Match:      50.69%      Indels:      6
DB:              4          Gaps:      3

US-09-049-696-10 (1-229) x US-09-193-562D-12 (1-821)

QY 1 GGCACAGTCATCGTGACAGCACCGCTGGGAAAGGACACTTTCTTCTTATCACCTGGACA 60
   |||||
Db 506 GlyThrValProValAspSerThrValGlyAsnAspThrPhePheValValThrTrpThr 525
   |||||

QY 61 AGCAGCCTCCCAAAATCCTTCTCTGGGATCCCAAGTGACAG-----AAGCAAGTGGC 114
   |||||
Db 526 IleGlnLysProGluIleValLeuGlnAspProLysGlyLysTyrLysThrSerAsp 545
   |||||

QY 115 TTTGTAGTGGACAAA---AACACCAAAATGGCTACCTCCCAATCCAGGCATTGCTAAG 171
   |||||
Db 546 PheLysGluAspLysLeuAsnIleArgSerAlaArgLeuGlnIleProGlyIleAlaGlu 565
   |||||

QY 172 GTTGGCACTTGGAAATACAGTCTG-----CAAGCAAGCTCAAAACCTTGACCCGTG 222
   |||||
Db 566 ThrGlyThrTrpThrTyrSerLeuLeuAsnAsnHisAlaSerSerGlnMetLeuThrVal 585
   |||||

QY 223 ACTGTC 228
   |||||
Db 586 ThrVal 587

RESULT 7
US-09-193-562D-2
; Sequence 2, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; FILE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; CURRENT FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 2
; LENGTH: 905
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Lu-ECAM-1 precursor from bovine endothelial cells
US-09-193-562D-2

Alignment Scores:
Pred. No.:      1,06e-18      Length:      905
Score:          219.00      Matches:      49
Percent Similarity: 69.51%      Conservative: 8
Best Local Similarity: 59.76%      Mismatches: 19
Query Match:      50.69%      Indels:      6
DB:              4          Gaps:      3

US-09-049-696-10 (1-229) x US-09-193-562D-2 (1-905)
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Db 585 ThrVal 586

RESULT 9

US-09-623-624-18

; Sequence 18, Application US/09623624

; Patent No. 6576434

; GENERAL INFORMATION:

; APPLICANT: Megainin Pharmaceuticals, Inc.

; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating

; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related

; TITLE OF INVENTION: Disorders

; FILE REFERENCE: 36870-5073-WO

; CURRENT APPLICATION NUMBER: US/09/623,624

; CURRENT FILING DATE: 2000-09-06

; PRIOR APPLICATION NUMBER: PCT/US99/04703

; PRIOR FILING DATE: 1999-03-03

; PRIOR APPLICATION NUMBER: US 08/697,360

; PRIOR FILING DATE: 1996-08-23

; PRIOR APPLICATION NUMBER: US 08/697,419

; PRIOR FILING DATE: 1996-08-23

; PRIOR APPLICATION NUMBER: US 08/697,440

; PRIOR FILING DATE: 1996-08-23

; PRIOR APPLICATION NUMBER: US 08/697,471

; PRIOR FILING DATE: 1996-08-23

; PRIOR APPLICATION NUMBER: US 08/697,471

; PRIOR FILING DATE: 1996-08-23

; PRIOR APPLICATION NUMBER: US 08/697,472

; PRIOR FILING DATE: 1996-08-23

; PRIOR APPLICATION NUMBER: US 08/697,473

; PRIOR FILING DATE: 1996-08-23

; PRIOR APPLICATION NUMBER: US 08/702,105

; PRIOR FILING DATE: 1996-08-23

; PRIOR APPLICATION NUMBER: US 08/702,110

; PRIOR FILING DATE: 1996-08-23

; PRIOR APPLICATION NUMBER: US 08/702,168

; PRIOR FILING DATE: 1996-08-23

; PRIOR APPLICATION NUMBER: US 08/980,872

; PRIOR FILING DATE: 1997-12-01

; NUMBER OF SEQ ID NOS: 18

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 18

; LENGTH: 903

; TYPE: PRT

; ORGANISM: Bos taurus

US-09-623-624-18

Alignment Scores:

Pred. No.: 5,77e-17 Length: 903

Score: 205.00 Matches: 46

Percent Similarity: 67.07% Conservative: 9

Best Local Similarity: 56.10% Mismatches: 21

Query Match: 47.45% Indels: 6

DB: 4 Gaps: 3

US-09-049-696-10 (1-229) x US-09-623-624-18 (1-903)

QY 1 GGCACAGTGTCTGGACAGCACCGTGGGAAAGGACACTTGTCTTATCAGCTGGACA 60

Db 505 GlyThrValproValaspserThrIleGlyAsnAspThrPhePheValValThrTrpThr 524

QY 61 ACGCAGCTCCCAAAATCTCTCTGGGATCCAGTGGACAG-----AAGCAAGTGGC 114

Db 525 IleLysLysProGluIleLeuLeuGlnAspProLysGlyLysLysTyrLysThrSerAsp 544

QY 115 TTGTAGTGGACAAA---RACACCAAAATGGCTCTCAATCCAGCATTTGCTAAG 171

Db 545 PheLysGluAspLysLeuAsnIleHisSerAlaArgLeuArgIleProGlyIleAlaGlu 564

QY 172 GTTGGCACTTGAATACAGTCTG-----CAAGCAAGCTCAACAACTTGACCTG 222

Db 565 ThrGlyThrTrpThrTyrSerLeuLeuAsnHisAlaSerProGlnIleLeuThrVal 584

223 ACTGTC 228

Db 585 ThrVal 586

RESULT 10

US-09-193-562D-34

; Sequence 34, Application US/09193562D

; Patent No. 6309857

; GENERAL INFORMATION:

; APPLICANT: Pauli, Benedict U.

; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium

; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules

; FILE REFERENCE: 18617.0052

; CURRENT APPLICATION NUMBER: US/09/193,562D

; CURRENT FILING DATE: 1998-11-17

; PRIOR APPLICATION NUMBER: US/60/065,922

; PRIOR FILING DATE: 1997-11-17

; NUMBER OF SEQ ID NOS: 47

; SEQ ID NO 34

; LENGTH: 902

; TYPE: PRT

; ORGANISM: Mus musculus

US-09-193-562D-34

Alignment Scores:

Pred. No.: 4.2e-15 Length: 902

Score: 190.00 Matches: 42

Percent Similarity: 66.25% Conservative: 11

Best Local Similarity: 52.50% Mismatches: 23

Query Match: 43.98% Indels: 4

DB: 4 Gaps: 3

US-09-049-696-10 (1-229) x US-09-193-562D-34 (1-902)

QY 1 GGCACAGTGTCTGGACAGCACCGTGGGAAAGGACACTTGTCTTATCAGCTGGACA 60

Db 505 GlyThrValproValaspserThrValGlyAsnAspThrPhePheValIleThrTrpMet 524

QY 61 ACGCAGCTCCCAAAATCTCTCTGGGATCCAGTGGACAGAG-----CAAGTGGC 114

Db 525 ValLysLysProGluIleLeuLeuGlnAspProLysGlyLysLysTyrThrSerAsp 544

QY 115 TTGTAGTGGACAAA---RACACCAAAATGGCTCTCAATCCAGCATTTGCTAAG 171

Db 545 PheGlnAspLysLeuAsnIleArgSerAlaArgLeuGlnIleProGlyThrAlaGlu 564

QY 172 GTTGGCACTTGAATACAGTCTGCAAGCAAGC---TCACAAACCTTGACCTGACTGTC 228

Db 565 ThrGlyThrTrpThrTyrSerTyrThrGlyThrLysSerGlnLeuIleThrMetThrVal 584

RESULT 11

US-09-193-562D-30

; Sequence 30, Application US/09193562D

; Patent No. 6309857

; GENERAL INFORMATION:

; APPLICANT: Pauli, Benedict U.

; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium

; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules

; FILE REFERENCE: 18617.0052

; CURRENT APPLICATION NUMBER: US/09/193,562D

; CURRENT FILING DATE: 1998-11-17

; PRIOR APPLICATION NUMBER: US/60/065,922

; PRIOR FILING DATE: 1997-11-17

; NUMBER OF SEQ ID NOS: 47

; SEQ ID NO 30

; LENGTH: 1000

; TYPE: PRT

; ORGANISM: Homo sapiens

US-09-193-562D-30

Alignment Scores:

Pred. No.: 1e-13 Length: 1000

Score: 179.00 Matches: 41

Percent Similarity: 62.35% Conservative: 12

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Best Local Similarity: 48.24% Mismatches: 20
Query Match: 41.44% Indels: 12
DB: 4 Gaps: 3

US-09-049-696-10 (1-229) x US-09-193-562D-30 (1-1000)
QY 1 GGCACAGTGCATCGTGACAGCACCGTGGGAAAGGACACTTTGTTCTTATCACCTGGACA 60
DB 524 GlyThrValProValAspSerThrValArgAsnAspThrSerPheValValThrTrpThr 543
QY 61 AGCGAGCTCCCAAAATCTTCTCTGGGATCCAGTGGACAGAAG----- 105
DB 544 IleGlnLysProAlaIleIleLeuGlnAspProLysGlyLysLysThrThrSerAsp 563
QY 106 ---CAAGTGGCTTTCTAGTGACAAAACACCAAAATGCTACTCTCCAAATCCAGGC 162
DB 564 PheGlnGluGly-----GluLeuAsnIleArgSerAlaArgLeuArgIleProGly 580
QY 163 ATTGCTAAGTTGGCACCTTGGAAATACAGTCTGCAA-----GCAAGCTCACAACCC 213
DB 581 IleAlaGluThrGlyIleTrpThrTyrSerValArgAsnAsnHisThrLysSerGlnLeu 600
QY 214 TTGACCTGACTGTC 228
DB 601 LeuThrValThrMet 605

RESULT 12
US-09-643-597-170
; Sequence 170, Application US/09643597
; Patent No. 6426072
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Ligu
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy
; APPLICANT: Fanger, Gary R.
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Henderson, Robert A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.455C11
; CURRENT APPLICATION NUMBER: US/09/643,597
; NUMBER OF SEQ ID NOS: 369
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 170
; LENGTH: 791
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-643-597-170

Alignment Scores:
Pred. No.: 9,27e-13 Length: 791
Score: 171.00 Matches: 38
Percent Similarity: 62.96% Conservative: 13
Best Local Similarity: 46.91% Mismatches: 24
Query Match: 39.58% Indels: 6
DB: 4 Gaps: 3

US-09-049-696-10 (1-229) x US-09-643-597-170 (1-791)
QY 4 ACAGTGATCGTGACAGCACCGTGGGAAAGGACACTTTGTTCTTATCACCTGG---ACA 60
DB 513 ThrValThrValAspAsnThrValGlyAsnAspThrMetPheLeuValThrTrpGlnAla 532
QY 61 AGCGAGCTCCCAAAATCTTCTCTGGGATCCAGTGGACAGAAG-----CAAGTGGC 114
DB 533 SerGlyProProGluIleLeuPheAspProAspGlyArgLysTyrTyrThrAsnAsn 552
QY 115 TTTGTAGTGGACAAAACACCAAAATGCTACTCTCCAAATCCAGGCAATTCCTAAGGTT 174
DB 553 PheIleThrAsnLeuThrPheArgThrAlaSerLeuTrpIleProGlyThrAlaLysPro 572
QY 175 GGCATTTCGAAATACAGTCTG-----CAAGCAAGCTCACAACCTTGACCTGACT 225
DB 573 GlyHisTrpThrTyrThrLeuAsnAsnThrHisSerLeuGlnAlaLeuLysValThr 592
QY 226 GTC 228
DB 593 Val 593

RESULT 14
US-09-542-615A-170
; Sequence 170, Application US/09542615A
; Patent No. 6518256
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Ligu
; APPLICANT: Kalos, Michael D.
```

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QY 115 TTTGTAGTGGACAAAACACCAAAATGCTACTCTCCAAATCCAGGCAATTCCTAAGGTT 174
DB 553 PheIleThrAsnLeuThrPheArgThrAlaSerLeuTrpIleProGlyThrAlaLysPro 572
QY 175 GGCATTTCGAAATACAGTCTG-----CAAGCAAGCTCACAACCTTGACCTGACT 225
DB 573 GlyHisTrpThrTyrThrLeuAsnAsnThrHisSerLeuGlnAlaLeuLysValThr 592
QY 226 GTC 228
DB 593 Val 593

RESULT 13
US-09-480-884A-170
; Sequence 170, Application US/09480884A
; Patent No. 6482597
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Ligu
; APPLICANT: Hosken, Nancy A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY
; FILE REFERENCE: 210121.455C6
; CURRENT APPLICATION NUMBER: US/09/480,884A
; NUMBER OF SEQ ID NOS: 330
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 170
; LENGTH: 791
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-480-884A-170

Alignment Scores:
Pred. No.: 9,27e-13 Length: 791
Score: 171.00 Matches: 38
Percent Similarity: 62.96% Conservative: 13
Best Local Similarity: 46.91% Mismatches: 24
Query Match: 39.58% Indels: 6
DB: 4 Gaps: 3

US-09-049-696-10 (1-229) x US-09-480-884A-170 (1-791)
QY 4 ACAGTGATCGTGACAGCACCGTGGGAAAGGACACTTTGTTCTTATCACCTGG---ACA 60
DB 513 ThrValThrValAspAsnThrValGlyAsnAspThrMetPheLeuValThrTrpGlnAla 532
QY 61 AGCGAGCTCCCAAAATCTTCTCTGGGATCCAGTGGACAGAAG-----CAAGTGGC 114
DB 533 SerGlyProProGluIleLeuPheAspProAspGlyArgLysTyrTyrThrAsnAsn 552
QY 115 TTTGTAGTGGACAAAACACCAAAATGCTACTCTCCAAATCCAGGCAATTCCTAAGGTT 174
DB 553 PheIleThrAsnLeuThrPheArgThrAlaSerLeuTrpIleProGlyThrAlaLysPro 572
QY 175 GGCATTTCGAAATACAGTCTG-----CAAGCAAGCTCACAACCTTGACCTGACT 225
DB 573 GlyHisTrpThrTyrThrLeuAsnAsnThrHisSerLeuGlnAlaLeuLysValThr 592
QY 226 GTC 228
DB 593 Val 593

RESULT 14
US-09-542-615A-170
; Sequence 170, Application US/09542615A
; Patent No. 6518256
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Ligu
; APPLICANT: Kalos, Michael D.
```

```
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy A.
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.455C8
; CURRENT APPLICATION NUMBER: US/09/542,615A
; CURRENT FILING DATE: 2000-04-14
; NUMBER OF SEQ ID NOS: 350
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 170
; LENGTH: 791
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-542-615A-170

Alignment Scores:
Pred. No.: 9,27e-13 Length: 791
Score: 171.00 Matches: 38
Percent Similarity: 62.96% Conservative: 13
Best Local Similarity: 46.91% Mismatches: 24
Query Match: 39.58% Indels: 6
DB: 4 Gaps: 3

US-09-049-696-10 (1-229) x US-09-542-615A-170 (1-791)
QY 4 ACAGTCATCGTGACAGCACCGTGGGAAAGGACACACTTTGTTCTTATCACCTGG---ACA 60
Db 513 ThrValThrValAspAsnThrValGlyAsnAspThrMetPheLeuValThrTrpGlnAla 532
QY 61 ACGCAGCCTCCCAAAATCCTTCTCTGGGATCCAGTGGACAGAAAG-----CAAGGTGGC 114
Db 533 SerGlyProProGluIleIleLeuPheAspProAspGlyArgLysTyrTyrThrAsnAsn 552
QY 115 TTGTAGTGGACAAAACACCAAAATGGCTTACCTCCAAATCCAGGCATTGCTAAGGTT 174
Db 553 PheIleThrAsnLeuThrPheArgThrAlaSerLeuTrpIleProGlyThrAlaLysPro 572
QY 175 GGCACCTTGGAAATACAGTCTG-----CAAGCAAGCTCACAAACCTTGACCTGACT 225
Db 573 GlyHisTrpThrTyrThrLeuAsnAsnThrHisSerLeuGlnAlaLeuLysValThr 592
QY 226 GTC 228
Db 593 Val 593

Search completed: April 21, 2004, 16:22:14
Job time : 14.6857 secs

; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy A.
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.455C8
; CURRENT APPLICATION NUMBER: US/09/542,615A
; CURRENT FILING DATE: 2000-04-14
; NUMBER OF SEQ ID NOS: 350
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 170
; LENGTH: 791
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-542-615A-170

Alignment Scores:
Pred. No.: 9,27e-13 Length: 791
Score: 171.00 Matches: 38
Percent Similarity: 62.96% Conservative: 13
Best Local Similarity: 46.91% Mismatches: 24
Query Match: 39.58% Indels: 6
DB: 4 Gaps: 3

US-09-049-696-10 (1-229) x US-09-542-615A-170 (1-791)
QY 4 ACAGTCATCGTGACAGCACCGTGGGAAAGGACACACTTTGTTCTTATCACCTGG---ACA 60
Db 513 ThrValThrValAspAsnThrValGlyAsnAspThrMetPheLeuValThrTrpGlnAla 532
QY 61 ACGCAGCCTCCCAAAATCCTTCTCTGGGATCCAGTGGACAGAAAG-----CAAGGTGGC 114
Db 533 SerGlyProProGluIleIleLeuPheAspProAspGlyArgLysTyrTyrThrAsnAsn 552
QY 115 TTGTAGTGGACAAAACACCAAAATGGCTTACCTCCAAATCCAGGCATTGCTAAGGTT 174
Db 553 PheIleThrAsnLeuThrPheArgThrAlaSerLeuTrpIleProGlyThrAlaLysPro 572
QY 175 GGCACCTTGGAAATACAGTCTG-----CAAGCAAGCTCACAAACCTTGACCTGACT 225
Db 573 GlyHisTrpThrTyrThrLeuAsnAsnThrHisSerLeuGlnAlaLeuLysValThr 592
QY 226 GTC 228
Db 593 Val 593

RESULT 15
US-09-606-421B-170
; Sequence 170, Application US/09606421B
; Patent No. 6531315
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy
; APPLICANT: Fanger, Gary R.
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.455C9
; CURRENT APPLICATION NUMBER: US/09/606,421B
; CURRENT FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 358
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 170
; LENGTH: 791
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-606-421B-170
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OM nucleic - nucleic search, using sw model

Run on: April 24, 2004, 00:33:00 ; Search time 20.0386 Seconds
(without alignments)
6037.311 Million cell updates/sec

Title: US-09-049-696-9
Perfect score: 218
Sequence: 1 GAACATGCCCTCATGTATG.....TCTCTGGGATCCAGTGGAC 218

Scoring table: IDENTITY NUC

Gapop 10_0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA.*

- 1: /cgn2_6/ptodata/2/ina/5A COMB.seq.*
- 2: /cgn2_6/ptodata/2/ina/5B COMB.seq.*
- 3: /cgn2_6/ptodata/2/ina/6A COMB.seq.*
- 4: /cgn2_6/ptodata/2/ina/6B COMB.seq.*
- 5: /cgn2_6/ptodata/2/ina/PTUS COMB.seq.*
- 6: /cgn2_6/ptodata/2/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	218	100.0	1512	4	US-09-016-434-850
2	218	100.0	2745	4	US-09-623-624-5
3	218	100.0	3007	4	US-09-193-562D-27
4	156.2	71.7	2931	4	US-09-623-624-1
5	135.4	62.1	3043	4	US-09-049-698-16
6	135.4	62.1	3181	4	US-09-049-698-18
7	88.2	40.5	3317	4	US-09-193-562D-1
8	88.2	40.5	3418	4	US-09-193-562D-29
9	80.2	36.8	3022	4	US-09-193-562D-33
10	72.8	33.4	590	4	US-09-643-597-132
11	72.8	33.4	590	4	US-09-480-884A-132
12	72.8	33.4	590	4	US-09-542-615A-132
13	72.8	33.4	590	4	US-09-606-421B-132
14	72.8	33.4	590	4	US-09-221-107-132
15	72.8	33.4	2773	4	US-09-643-597-358
16	72.8	33.4	2784	4	US-09-643-597-168
17	72.8	33.4	2784	4	US-09-480-884A-168
18	72.8	33.4	2784	4	US-09-542-615A-168
19	72.8	33.4	2784	4	US-09-606-421B-168
20	72.8	33.4	2970	4	US-09-193-562D-31
21	72.8	33.4	3156	4	US-09-919-172-86
22	72.8	33.4	3190	4	US-09-623-624-3
23	72.8	33.4	3362	4	US-09-643-597-167
24	72.8	33.4	3362	4	US-09-480-884A-167
25	72.8	33.4	3362	4	US-09-542-615A-167
26	72.8	33.4	3362	4	US-09-606-421B-167
27	72.8	33.4	3951	4	US-09-643-597-160

Query Match 100.0%; Score 218; DB 4; Length 1512;
Best Local Similarity 100.0%; Pred. No. 7.7e-68;

ALIGNMENTS

RESULT 1
US-09-016-434-850
; Sequence 850, Application US/09016434
; Patent No. 6500938
; GENERAL INFORMATION:
; APPLICANT: Janice Au-Young
; APPLICANT: Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING
; TITLE OF INVENTION: PATHWAY GENE EXPRESSION
; NUMBER OF SEQUENCES: 1490
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304

COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/016,434
; FILING DATE: HEREWITH
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Zeller, Karen J.
; REGISTRATION NUMBER: 37,071
; REFERENCE/DOCKET NUMBER: PA-0002 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166

INFORMATION FOR SEQ ID NO: 850:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1512 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: COLNNOT01
; CLONE: 608819
US-09-016-434-850

28 72.8 33.4 3951 4 US-09-480-884A-160 Sequence 160, App
29 72.8 33.4 3951 4 US-09-542-615A-160 Sequence 160, App
30 72.8 33.4 3951 4 US-09-606-421B-160 Sequence 160, App
31 72.8 33.4 3951 4 US-09-221-107-160 Sequence 160, App
32 72.8 33.4 8031 4 US-09-643-597-254 Sequence 254, App
33 72.8 33.4 8031 4 US-09-480-884A-254 Sequence 254, App
34 72.8 33.4 8031 4 US-09-542-615A-254 Sequence 254, App
35 72.8 33.4 8031 4 US-09-606-421B-254 Sequence 254, App
36 54.6 25.0 201 4 US-09-049-698-6 Sequence 61, Appl
37 31.8 14.6 387 4 US-09-216-393B-61 Sequence 67, Appl
38 31.8 14.6 2590 4 US-09-216-393B-63 Sequence 63, Appl
39 31.4 14.4 417 4 US-09-833-381-790 Sequence 790, App
40 30 13.8 431 4 US-09-852-067-3 Sequence 3, Appl
41 30 13.8 31208 4 US-08-342-930-1 Sequence 1, Appl
42 29.8 13.7 5455 1 US-08-449-287-11 Sequence 11, Appl
43 29.4 13.5 464 2 US-08-860-882A-28 Sequence 28, Appl
44 29.4 13.5 777 2 US-09-011-769A-24 Sequence 24, Appl
45 29.4 13.5 777 4 US-09-011-769A-24 Sequence 24, Appl

	Matches	218:	Conservative	0:	Mismatches	0:	Indels	0:	Gaps	0:
Qy	1	GAACAATGGCCTCATTTGATGCTTTTGGGGCCCTTTTCATCAGAAATGAGCTGTCTCTCA	60							
Db	116	GAACAATGGCCTCATTTGATGCTTTTGGGGCCCTTTTCATCAGAAATGAGCTGTCTCTCA	175							
Qy	61	CGGCTCCATCCAGCTTCGAGAGTAAGGATTAACCTCCAGAACGAGCCAGTGGATGAATGG	120							
Db	176	CGGCTCCATCCAGCTTCGAGAGTAAGGATTAACCTCCAGAACGAGCCAGTGGATGAATGG	235							
Qy	121	CACAGTGCATCGTGAGACGACCCGTGGGGAAGGACACTTTGTTCTTATCAGCTGGACAAC	180							
Db	236	CACAGTGCATCGTGAGACGACCCGTGGGGAAGGACACTTTGTTCTTATCAGCTGGACAAC	295							
Qy	181	GCAGCCTCCCAAAATCCTTCTCTGGGATCCCAAGTGGAC	218							
Db	296	GCAGCCTCCCAAAATCCTTCTCTGGGATCCCAAGTGGAC	333							

RESULT 2
US-09-623-624-5
; Sequence 5, Application US/09623624
; Patent No. 6576434
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders

	Query Match	Best Local Similarity	Score 218;	DB 4;	Length 2745;
	Matches 218;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	1	GAAACAATGGCCCTCATTCATGCTTTTGGGGCCCTTTTCATCAGAAATGGAGTGTCTCTCA	60		
Db	1392	GAAACAATGGCCCTCATTCATGCTTTTGGGGCCCTTTTCATCAGAAATGGAGTGTCTCTCA	1451		

Qy	61	GC	GCT	CA	TCC	AGT	TG	AG	GA	TT	AA	CC	TCC	AG	AA	CAG	CA	GC	AG	TGG	AT	GA	TGG	120	
Db	1452	GC	GCT	CA	TCC	AGT	TG	AG	GA	TT	AA	CC	TCC	AG	AA	CAG	CA	GC	AG	TGG	AT	GA	TGG	1511	
Qy	121	CAC	AGT	GA	TG	CG	TG	CA	GA	CA	CG	CG	TGG	AA	AG	GAC	ACT	TT	CT	TTC	TAT	CAC	CT	TGG	180
Db	1512	CAC	AGT	GA	TG	CG	TG	CA	GA	CA	CG	CG	TGG	AA	AG	GAC	ACT	TT	CT	TTC	TAT	CAC	CT	TGG	1571
Qy	181	GC	AG	CT	TCC	CC	AA	AT	C	T	T	T	CT	TG	GA	TCC	CA	GT	GG	AC	218				
Db	1572	GC	AG	CT	TCC	CC	AA	AT	C	T	T	CT	TG	GA	TCC	CA	GT	GG	AC	1609					

```

RESULT 3
US-09-193-562D-27
; Sequence 27, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; CURRENT FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 27
; LENGTH: 3007
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-193-562D-27

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Query Match      100.0%; Score 218; DB 4; Length 3007;
Best Local Similarity 100.0%; Pred. No. 1.1e-67;
Matches 218: Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy	1	GAACAATGGCGCTCATTTGATGCTTTTGGGGCCCTTTTCATCAGGAAATGGAGCTGTCTCTCA	60
Db	1438	GAACAATGGCGCTCATTTGATGCTTTTGGGGCCCTTTTCATCAGGAAATGGAGCTGTCTCTCA	1497
Qy	61	GCGCCTCATCCAGCTTGAGAGTAAGGATTAACCCCTCCAGAACGCCAGTGGATGAATGG	120
Db	1498	GCGCCTCATCCAGCTTGAGAGTAAGGATTAACCCCTCCAGAACGCCAGTGGATGAATGG	1557
Qy	121	CACAGTGATCGTGGACAGCACCGCTGGGAAAGGACACTTTCTTTCTATCACTTGGACAAC	180
Db	1558	CACAGTGATCGTGGACAGCACCGCTGGGAAAGGACACTTTGTGTTCTTATCACTTGGACAAC	1617
Qy	181	GCAGCTCCCCAAATGCTTCTCTGGGATCCCACTGGAC	218
Db	1618	GCAGCTCCCCAAATGCTTCTCTGGGATCCCACTGGAC	1655

RESULT 4
US-09-623-624-1
Sequence 1, Application US/09623624
Patent No. 6576434
GENERAL INFORMATION:
APPLICANT: Magainin Pharmaceuticals, Inc.
TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
TITLE OF INVENTION: Disorders
FILE REFERENCE: 36870-5073-WO
CURRENT APPLICATION NUMBER: US/09/623,624
CURRENT FILING DATE: 2000-03-06
PRIOR APPLICATION NUMBER: PCI/US99/04703
PRIOR FILING DATE: 1999-03-03
PRIOR APPLICATION NUMBER: US 08/697,360
PRIOR FILING DATE: 1996-08-23
PRIOR APPLICATION NUMBER: US 08/697,419
PRIOR FILING DATE: 1996-08-23

Query Match	100.0%;	Score 218;	DB 4;	Length 2745;
Best Local Similarity	100.0%;	Pred. No. 1e-67;		
Matches 218;	Conservative 0;	Mismatches 0;	Indels 0	
1	GAACAAATGCGCTCATTCATGCTCTTTGGGGCCCTTTTCATCAGGAAATCGAGCT			
1392	GAACAAATGCGCTCATTCATGCTCTTTGGGGCCCTTTTCATCAGGAAATCGAGCT			

; PRIOR APPLICATION NUMBER: US 08/697,440
 ; PRIOR FILING DATE: 1996-08-23
 ; PRIOR APPLICATION NUMBER: US 08/697,471
 ; PRIOR FILING DATE: 1996-08-23
 ; PRIOR APPLICATION NUMBER: US 08/697,471
 ; PRIOR FILING DATE: 1996-08-23
 ; PRIOR APPLICATION NUMBER: US 08/697,472
 ; PRIOR FILING DATE: 1996-08-23
 ; PRIOR APPLICATION NUMBER: US 08/697,473
 ; PRIOR FILING DATE: 1996-08-23
 ; PRIOR APPLICATION NUMBER: US 08/702,105
 ; PRIOR FILING DATE: 1996-08-23
 ; PRIOR APPLICATION NUMBER: US 08/702,110
 ; PRIOR FILING DATE: 1996-08-23
 ; PRIOR APPLICATION NUMBER: US 08/702,168
 ; PRIOR FILING DATE: 1996-08-23
 ; PRIOR APPLICATION NUMBER: US 08/980,872
 ; PRIOR FILING DATE: 1997-12-01
 ; NUMBER OF SEQ ID NOS: 18
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 1
 ; LENGTH: 2931
 ; TYPE: DNA
 ; ORGANISM: Mus musculus
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: (8)..(2746)
 ; US-09-623-624-1

Query Match 71.7%; Score 156.2; DB 4; Length 2931;
 Best Local Similarity 82.5%; Pred. No. 1.3e-45;
 Matches 179; Conservative 0; Mismatches 38; Indels 0; Gaps 0;
 QY 1 GAACAATGGCCTCATTTGATGCTTTGGGGCCCTTTCATCAGGAAATGGAGCTCTCTCA 60
 DB 1402 GAACAATGGCTTTGATGCTTTGGAGCACTCTCTCAGGAATGGCGGATCGCTCA 1461
 QY 61 GCGCTCCATCCAGCTTGAGAGTAAGGATTAACCTCCAGAACAGCAGTGGATGAATGG 120
 DB 1462 GCACTCCATCCAGCTGGAGCAGGAGGATTAATCTCCAGATAACCAATGGATGAATGG 1521
 QY 121 CACAGTGTGCGGACAGCAGCAGCGTGGGAAAGGACATTTGTTTCTTATCACCTGGACAAC 180
 DB 1522 CTCAGTGTGCGGACAGCTCGGTGGGCAAGGACACCTTTGTTTCTTATCACCTGGACAAC 1581
 QY 181 GCAGCCTCCCAATCCCTTCTCTGGGATCCAGTGA 217
 DB 1582 GCATCCTCTACATATTTATCTGGGATCCAGCGGA 1618

RESULT 5
 US-09-049-698-16
 ; Sequence 16, Application US/09049698
 ; Patent No. 6368792
 ; GENERAL INFORMATION:
 ; APPLICANT: BILLING-MEDEL, PATRICIA A.
 ; APPLICANT: COHEN, MAURICE
 ; APPLICANT: COLPITTS, TRACEY L.
 ; APPLICANT: FRIEDMAN, PAULA N.
 ; APPLICANT: HAYDEN, MARK
 ; APPLICANT: KLASS, MICHAEL R.
 ; APPLICANT: ROBERTS-RAPP, LISA
 ; APPLICANT: RUSSELL, JOHN C.
 ; APPLICANT: STROUPE, STEPHEN D.
 ; TITLE OF INVENTION: REAGENTS AND METHODS FOR THE
 ; TITLE OF INVENTION: USEFUL FOR DETECTING DISEASES OF THE GASTROINTESTINAL
 ; TITLE OF INVENTION: TRACT
 ; NUMBER OF SEQUENCES: 51
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Abbott Laboratories
 ; STREET: 100 Abbott Park Road
 ; CITY: Abbott Park
 ; STATE: IL

; COUNTRY: USA
 ; ZIP: 60064-3500
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Diskette
 ; COMPUTER: IBM Compatible
 ; OPERATING SYSTEM: DOS
 ; SOFTWARE: FastSeq for Windows Version 2.0
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/049,698
 ; FILING DATE:
 ; CLASSIFICATION:
 ; PRIOR APPLICATION DATA: 08/828,856
 ; APPLICATION NUMBER: 31-MAR-1997
 ; FILING DATE: 31-MAR-1997
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Becker, Cheryl L.
 ; REGISTRATION NUMBER: 35,441
 ; REFERENCE/DOCKET NUMBER: 6068.US.PI
 ; TELEPHONE: 847/935-1729
 ; TELEFAX: 847/938-2623
 ; TELEX:
 ; INFORMATION FOR SEQ ID NO: 16:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 3043 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; US-09-049-698-16

Query Match 62.1%; Score 135.4; DB 4; Length 3043;
 Best Local Similarity 76.5%; Pred. No. 3.5e-38;
 Matches 166; Conservative 0; Mismatches 51; Indels 0; Gaps 0;
 QY 1 GACATGCGCTCATTTGATGCTTTGGGGCCCTTTCATCAGGAAATGGAGCTCTCTCA 60
 DB 1408 GAACAATGGCCTCATTTGATGCTTTGGGGCTCTTATCAGGAAATGATCTCTCCCA 1467
 QY 61 GCGCTCCATCCAGCTTGAGAGTAAGGATTAACCTCCAGAACAGCAGTGGATGAATGG 120
 DB 1468 GAAGTCCCTTCAGCTGAAAGTAAGGATTAACACTGAATAGTAACTGCGGATGAACGA 1527
 QY 121 CACAGTGTGCGGACAGCAGCAGCGTGGGAAAGGACATTTGTTTCTTATCACCTGGACAAC 180
 DB 1528 CACTGTCAATATGATAGTACAGTGGGAAAGGACAGCTTTCTTCTCATCATGGAACAG 1587
 QY 181 GCAGCCTCCCAATCCCTTCTCTGGGATCCAGTGA 217
 DB 1588 TCTGCTCCCAATTTCTCTCTGGGATCCAGTGA 1624

RESULT 6
 US-09-049-698-18
 ; Sequence 18, Application US/09049698
 ; Patent No. 6368792
 ; GENERAL INFORMATION:
 ; APPLICANT: BILLING-MEDEL, PATRICIA A.
 ; APPLICANT: COHEN, MAURICE
 ; APPLICANT: COLPITTS, TRACEY L.
 ; APPLICANT: FRIEDMAN, PAULA N.
 ; APPLICANT: HAYDEN, MARK
 ; APPLICANT: KLASS, MICHAEL R.
 ; APPLICANT: ROBERTS-RAPP, LISA
 ; APPLICANT: RUSSELL, JOHN C.
 ; APPLICANT: STROUPE, STEPHEN D.
 ; TITLE OF INVENTION: REAGENTS AND METHODS FOR THE
 ; TITLE OF INVENTION: USEFUL FOR DETECTING DISEASES OF THE GASTROINTESTINAL
 ; TITLE OF INVENTION: TRACT
 ; NUMBER OF SEQUENCES: 51
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Abbott Laboratories
 ; STREET: 100 Abbott Park Road
 ; CITY: Abbott Park

STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICANT: Pauli, Benedicht U.
FILING DATE: 1998-11-17
PRIORITY APPLICATION NUMBER: US/09/049,698
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/828,856
FILING DATE: 31-MAR-1997
ATTORNEY/AGENT INFORMATION:
NAME: Becker, Cheryl L.
REGISTRATION NUMBER: 35,441
REFERENCE/DOCKET NUMBER: 6068.US.P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/935-1729
TELEFAX: 847/938-2623
TELEX:
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 3181 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-049-698-18

Query Match 62.1%; Score 135.4; DB 4; Length 3181;
Best Local Similarity 76.5%; Pred. No. 3.6e-38;
Matches 166; Conservative 0; Mismatches 51; Indels 0; Gaps 0;

QY 1 GAACATGGCTCATTGATGCTTTTGGGGCCCTTTTCATCAGGAAATGGAGCTGCTCTCA 60
DB 1419 GAACATGGCTCATTGATGCTTTTGGGGCTTTTACATCAGGAAATGATGCTCTCCA 1478

QY 61 GGCCTCCATCCAGCTTGAGAGTAAGGATTAACCTCCAGAACAGCAGTGGATGATGG 120
DB 1479 GAAGTCCCTTCAGCTCGAAAGTAAGGATTAACACTGAATAGTAAATGCTGGATGAACGA 1538

QY 121 CACAGTATCGTGGACAGCACCGTGGGAAGGACACTTTTCTTATCACCTGGACACAC 180
DB 1539 CACTGTCAATATGATAGTACAGTGGGAAGGACAGCTTTTCTCATCAGTGGAAACAG 1598

QY 181 GCAGCCTCCCAAAATCCTTCTCTGGGATCCCAAGTGA 217
DB 1599 TCTGCTCCCAAGTATTTCTCTCTGGGATCCCAAGTGA 1635

RESULT 7
US-09-193-562D-1
; Sequence 1, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; CURRENT FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 1
; LENGTH: 3317
; TYPE: DNA
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: sequence encoding Lu-ECAM-1 and Lu-ECAM-1 associated
; OTHER INFORMATION: protein from bovine endothelial cells

US-09-193-562D-1
Query Match 40.5%; Score 88.2; DB 4; Length 3317;
Best Local Similarity 63.4%; Pred. No. 2.6e-21;
Matches 135; Conservative 0; Mismatches 78; Indels 0; Gaps 0;

QY 5 AATGGCCTCATTGATGCTTTTGGGGCCCTTTTCATCAGGAAATGGAGCTGCTCTCAGCGC 64
DB 1464 ACTGGCCTTACTAATGCTTTTCAGTAGAATTTTCATCTAGAAGTGGAGCATCTCAGCAG 1523

QY 65 TCCATCCAGCTTGAGAGTAAGGATTAACCTCCAGAACAGCAGTGGATGATGGCACA 124
DB 1524 GCTATTCAAGTGGAAAGCAAGCCTTGAAATTTACAGGAAGGAAAGTAAACGGCACA 1583

QY 125 GTGATCGTGGACAGCACCGTGGGAAGGACACTTTTCTTATCACCTGGACACGACAG 184
DB 1584 GTGCTGTAGACAGTACAGTTGGAAATGACACTTTCTTTGTTGTACATGGACATACAA 1643

QY 185 CCTCCCAAAATCCTTCTCTGGGATCCCAAGTGA 217
DB 1644 AAGCCAGCAATAATTTCTTCAAGATCCAAAGGA 1686

RESULT 8
US-09-193-562D-29
; Sequence 29, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; CURRENT FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 29
; LENGTH: 3418
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-193-562D-29

Query Match 40.5%; Score 88.2; DB 4; Length 3418;
Best Local Similarity 63.4%; Pred. No. 2.7e-21;
Matches 135; Conservative 0; Mismatches 78; Indels 0; Gaps 0;

QY 5 AATGGCCTCATTGATGCTTTTGGGGCCCTTTTCATCAGGAAATGGAGCTGCTCTCAGCGC 64
DB 1474 AATGGCCTTATTGATGCTTTTCAGCAGAAATTTTCATCTAGAAGTGGAGCATCTCTCAGCAG 1533

QY 65 TCCATCCAGCTTGAGAGTAAGGATTAACCTCCAGAACAGCAGTGGATGATGGCACA 124
DB 1534 GCTCTTCAAGTGGAAAGTAAATTTTGAATATCCCAAGCAAGAAATGGATAATGGTACA 1593

QY 125 GTGATCGTGGACAGCACCGTGGGAAGGACACTTTTCTTATCACCTGGACACGACAG 184
DB 1594 GTGCTGTAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1653

QY 185 CCTCCCAAAATCCTTCTCTGGGATCCCAAGTGA 217
DB 1654 AAGCCAGCAATAATTTCTTCAAGATCCAAAGGA 1686

RESULT 9
US-09-193-562D-33
; Sequence 33, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052

; CURRENT APPLICATION NUMBER: US/09/193,562D
; CURRENT FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 33
; LENGTH: 3022
; TYPE: DNA
; ORGANISM: Mus musculus
US-09-193-562D-33

Query Match 36.8%; Score 80.2; DB 4; Length 3022;
Best Local Similarity 61.0%; Pred. No. 1.8e-18;
Matches 130; Conservative 0; Mismatches 83; Indels 0; Gaps 0;

QY 5 AATGGCCTCATTTGATGCTTTTGGGGCCCTTTTCATCAGAAATGGAGTGTCTCTCAGCGC 64
DB 1416 AACAGCCTTATCATGCTTTTCAGTAGAATTTTCATCAGTGGCAGCGTCTCCAGCAG 1475

QY 65 TCATCCAGCTTGAGAGTAAGGATTAAACCTCCAGAACAGCCAGTGGATGGAATGGCACA 124
DB 1476 GCTCTGAGTTGGAGAGCAAGCCTTCGATGTCAGAGCAGGGGCATGGATAAACGGTACA 1535

QY 125 GTGATCGTGGACAGCCGTCGGAAAGGACACTTTTCTTATCACCCTGGACAACGCAG 184
DB 1536 GTACCTCTGGACAGTACCGTCGGCAACGACACGCTTCTTTGTTATCACCTGGTGAATA 1595

QY 185 CTTCCCAATCTCTCTCGGATCCAGTGA 217
DB 1596 AAGCCAGAAATCAATTTTCAGATCCAAAGGA 1628

RESULT 10
US-09-643-597-132
; Sequence 132, Application US/09643597
; Patent No. 642672
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy
; APPLICANT: Fanger, Gary R.
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A. W.
; APPLICANT: Henderson, Robert A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.455C11
; CURRENT APPLICATION NUMBER: US/09/643,597
; CURRENT FILING DATE: 2000-08-21
; NUMBER OF SEQ ID NOS: 369
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 132
; LENGTH: 590
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-643-597-132

Query Match 33.4%; Score 72.8; DB 4; Length 590;
Best Local Similarity 64.0%; Pred. No. 3.4e-16;
Matches 110; Conservative 0; Mismatches 62; Indels 0; Gaps 0;

QY 4 CAATGGCCTCATTTGATGCTTTTGGGGCCCTTTTCATCAGAAATGGAGTGTCTCTCAGCG 63
DB 204 CAATAGCATGATGATGCTTTTCAGTAGAATTTCTCTGGAACTGGAGACATTTTCCAGCA 263

QY 64 CTCATCCAGCTTGAGAGTAAGGATTAAACCTCCAGAACAGCCAGTGGATGAATGGCAC 123
DB 264 ACATATTGAGCTTGAAGTACAGGTGAAATGTCAAACCTCACCATCAATTGAAAAACAC 323

RESULT 11
US-09-480-844A-132
; Sequence 132, Application US/09480844A
; Patent No. 6482597
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Hosken, Nancy A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.455C6
; CURRENT APPLICATION NUMBER: US/09/480,844A
; CURRENT FILING DATE: 2001-08-27
; NUMBER OF SEQ ID NOS: 330
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 132
; LENGTH: 590
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-480-844A-132

Query Match 33.4%; Score 72.8; DB 4; Length 590;
Best Local Similarity 64.0%; Pred. No. 3.4e-16;
Matches 110; Conservative 0; Mismatches 62; Indels 0; Gaps 0;

QY 4 CAATGGCCTCATTTGATGCTTTTGGGGCCCTTTTCATCAGAAATGGAGTGTCTCTCAGCG 63
DB 204 CAATAGCATGATGATGCTTTTCAGTAGAATTTCTCTGGAACTGGAGACATTTTCCAGCA 263

QY 64 CTCATCCAGCTTGAGAGTAAGGATTAAACCTCCAGAACAGCCAGTGGATGAATGGCAC 123
DB 264 ACATATTGAGCTTGAAGTACAGGTGAAATGTCAAACCTCACCATCAATTGAAAAACAC 323

RESULT 12
US-09-542-615A-132
; Sequence 132, Application US/09542615A
; Patent No. 6518256
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy A.
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.455C8
; CURRENT APPLICATION NUMBER: US/09/542,615A
; CURRENT FILING DATE: 2000-04-14
; NUMBER OF SEQ ID NOS: 350
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 132
; LENGTH: 590
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-542-615A-132

Query Match 33.4%; Score 72.8; DB 4; Length 590;
Best Local Similarity 64.0%; Pred. No. 3.4e-16;
Matches 110; Conservative 0; Mismatches 62; Indels 0; Gaps 0;

QY 4 CAATGGCCTCATTTGATGCTTTTGGGGCCCTTTTCATCAGAAATGGAGTGTCTCTCAGCG 63
DB 204 CAATAGCATGATGATGCTTTTCAGTAGAATTTCTCTGGAACTGGAGACATTTTCCAGCA 263

QY 64 CTCATCCAGCTTGAGAGTAAGGATTAAACCTCCAGAACAGCCAGTGGATGAATGGCAC 123
DB 264 ACATATTGAGCTTGAAGTACAGGTGAAATGTCAAACCTCACCATCAATTGAAAAACAC 323

QY 4 CAATGCCCTCATTGATGCTTTTGGGGCCCTTTTCATCAGGAATGGAGCTGTCTCTCAGCG 63
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Db 204 CAATAGCATGATGATGCTTTTCAGTAGAATTTCCCTCTGAACTGGAGACATTTTCCAGCA 263
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QY 64 CTCCATCCAGCTTGAGAGTAAGGATTAACCTCCAGAAACAGCCAGTGGATGAATGGCAC 123
|||||
Db 264 ACATATTCAGCTTGAAGTACAGGTGAAATGTCAAACTCCACCATCAATTGAAAAACAC 323
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QY 124 AGTGATCGTGGACAGCACCGTGGGAAAGGACACATTTGTTTCTATCACCTGG 175
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Db 324 AGTGACTGTGGATAAATACTGTGGGCAACGACACTATGTTTCTAGTTACGTGG 375
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RESULT 13

US-09-606-421B-132

; Sequence 132, Application US/09606421B

; Patent No. 6531315

; GENERAL INFORMATION:

; APPLICANT: Wang, Tongtong

; APPLICANT: Fan, Liqun

; APPLICANT: Kalos, Michael D.

; APPLICANT: Bangur, Chaitanya S.

; APPLICANT: Hosken, Nancy

; APPLICANT: Fanger, Gary R.

; APPLICANT: Li, Samuel X.

; APPLICANT: Wang, Aijun

; APPLICANT: Skeiky, Yasir A.W.

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER

; FILE REFERENCE: 210121.455C9

; CURRENT APPLICATION NUMBER: US/09/606,421B

; CURRENT FILING DATE: 2000-06-28

; NUMBER OF SEQ ID NOS: 358

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 132

; LENGTH: 590

; TYPE: DNA

; ORGANISM: Homo sapien

US-09-606-421B-132

Query Match 33.4%; Score 72.8; DB 4; Length 590;
Best Local Similarity 64.0%; Pred. No. 3.4e-16;
Matches 110; Conservative 0; Mismatches 62; Indels 0; Gaps 0;

QY 4 CAATGCCCTCATTGATGCTTTTGGGGCCCTTTTCATCAGGAATGGAGCTGTCTCTCAGCG 63
|||||
Db 204 CAATAGCATGATGATGCTTTTCAGTAGAATTTCCCTCTGAACTGGAGACATTTTCCAGCA 263
|||||
QY 64 CTCCATCCAGCTTGAGAGTAAGGATTAACCTCCAGAAACAGCCAGTGGATGAATGGCAC 123
|||||
Db 264 ACATATTCAGCTTGAAGTACAGGTGAAATGTCAAACTCCACCATCAATTGAAAAACAC 323
|||||
QY 124 AGTGATCGTGGACAGCACCGTGGGAAAGGACACATTTGTTTCTATCACCTGG 175
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Db 324 AGTGACTGTGGATAAATACTGTGGGCAACGACACTATGTTTCTAGTTACGTGG 375
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RESULT 14

US-09-221-107-132

; Sequence 132, Application US/09221107

; Patent No. 6660838

; GENERAL INFORMATION:

; APPLICANT: Wang, Tongtong

; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY OF LUNG CANCER

; FILE REFERENCE: 210121.455C2

; CURRENT APPLICATION NUMBER: US/09/221,107

; CURRENT FILING DATE: 1998-12-22

; NUMBER OF SEQ ID NOS: 161

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 132

; LENGTH: 590

; TYPE: DNA

; ORGANISM: Human

US-09-221-107-132

Query Match 33.4%; Score 72.8; DB 4; Length 590;

Best Local Similarity 64.0%; Pred. No. 3.4e-16;

Matches 110; Conservative 0; Mismatches 62; Indels 0; Gaps 0;

QY 4 CAATGCCCTCATTGATGCTTTTGGGGCCCTTTTCATCAGGAATGGAGCTGTCTCTCAGCG 63
|||||
Db 204 CAATAGCATGATGATGCTTTTCAGTAGAATTTCCCTCTGAACTGGAGACATTTTCCAGCA 263
|||||
QY 64 CTCCATCCAGCTTGAGAGTAAGGATTAACCTCCAGAAACAGCCAGTGGATGAATGGCAC 123
|||||
Db 264 ACATATTCAGCTTGAAGTACAGGTGAAATGTCAAACTCCACCATCAATTGAAAAACAC 323
|||||
QY 124 AGTGATCGTGGACAGCACCGTGGGAAAGGACACATTTGTTTCTATCACCTGG 175
|||||
Db 324 AGTGACTGTGGATAAATACTGTGGGCAACGACACTATGTTTCTAGTTACGTGG 375
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RESULT 15

US-09-643-597-358

; Sequence 358, Application US/09643597

; Patent No. 6426072

; GENERAL INFORMATION:

; APPLICANT: Wang, Tongtong

; APPLICANT: Fan, Liqun

; APPLICANT: Kalos, Michael D.

; APPLICANT: Bangur, Chaitanya S.

; APPLICANT: Hosken, Nancy

; APPLICANT: Fanger, Gary R.

; APPLICANT: Li, Samuel X.

; APPLICANT: Wang, Aijun

; APPLICANT: Skeiky, Yasir A.W.

; APPLICANT: Henderson, Robert A.

; APPLICANT: McNeill, Patricia D.

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER

; FILE REFERENCE: 210121.455C11

; CURRENT APPLICATION NUMBER: US/09/643,597

; CURRENT FILING DATE: 2000-08-21

; NUMBER OF SEQ ID NOS: 369

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 358

; LENGTH: 2773

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-643-597-358

Query Match 33.4%; Score 72.8; DB 4; Length 2773;
Best Local Similarity 64.0%; Pred. No. 7.5e-16;
Matches 110; Conservative 0; Mismatches 62; Indels 0; Gaps 0;

QY 4 CAATGCCCTCATTGATGCTTTTGGGGCCCTTTTCATCAGGAATGGAGCTGTCTCTCAGCG 63
|||||
Db 1353 CAATAGCATGATGATGCTTTTCAGTAGAATTTCCCTCTGAACTGGAGACATTTTCCAGCA 1412
|||||
QY 64 CTCCATCCAGCTTGAGAGTAAGGATTAACCTCCAGAAACAGCCAGTGGATGAATGGCAC 123
|||||
Db 1413 ACATATTCAGCTTGAAGTACAGGTGAAATGTCAAACTCCACCATCAATTGAAAAACAC 1472
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QY 124 AGTGATCGTGGACAGCACCGTGGGAAAGGACACATTTGTTTCTATCACCTGG 175
|||||
Db 1473 AGTGACTGTGGATAAATACTGTGGGCAACGACACTATGTTTCTAGTTACGTGG 1524
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Search completed: April 24, 2004, 05:01:05

Job time : 20.0386 secs

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OM nucleic - nucleic search, using sw model

Run on: April 24, 2004, 04:05:52 ; Search time 116.665 Seconds
(without alignments)

8424.829 Million cell updates/sec

Title: US-09-049-696-9

Perfect score: 218

Sequence: 1 GAACATGGCCTCATTTGATG.....TCTTGGGATCCAGTGGAC 218

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 2907579 seqs, 2254313464 residues

Total number of hits satisfying chosen parameters: 5815158

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications_NA:*

- 1: /cgn2_6/ptodata/2/pubpna/US07_PUBCOMB.seq:*
- 2: /cgn2_6/ptodata/2/pubpna/PCT_NEW_PUB.seq:*
- 3: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq:*
- 4: /cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq:*
- 5: /cgn2_6/ptodata/2/pubpna/US07_NEW_PUB.seq:*
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- 9: /cgn2_6/ptodata/2/pubpna/US09A_PUBCOMB.seq:*
- 10: /cgn2_6/ptodata/2/pubpna/US09B_PUBCOMB.seq:*
- 11: /cgn2_6/ptodata/2/pubpna/US09C_PUBCOMB.seq:*
- 12: /cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq:*
- 13: /cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq:*
- 14: /cgn2_6/ptodata/2/pubpna/US10A_PUBCOMB.seq:*
- 15: /cgn2_6/ptodata/2/pubpna/US10B_PUBCOMB.seq:*
- 16: /cgn2_6/ptodata/2/pubpna/US10C_PUBCOMB.seq:*
- 17: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq:*
- 18: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq:*
- 19: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	218	100.0	1512	16	US-10-305-720-850
2	218	100.0	2745	15	US-10-270-595-5
3	218	100.0	2854	15	US-10-106-698-1971
4	218	100.0	2867	15	US-10-106-698-351
5	218	100.0	3007	15	US-10-055-4128-27
6	218	100.0	3109	15	US-10-106-698-2111
7	218	100.0	3111	9	US-09-823-356-25
8	218	100.0	3111	9	US-09-823-356-25
9	218	100.0	3111	15	US-10-235-994-191
10	218	100.0	3267	9	US-09-764-868-22
11	218	100.0	3311	9	US-09-922-217-1056
12	218	100.0	3311	9	US-09-833-263-1056
13	218	100.0	3311	14	US-10-025-380-1056
14	218	100.0	3311	15	US-10-393-590-11

15	218	100.0	3311	15	US-10-393-590-12	Sequence 12, Appl
16	218	100.0	3311	15	US-10-393-590-46	Sequence 46, Appl
17	218	100.0	3311	15	US-10-393-590-47	Sequence 47, Appl
18	218	100.0	3311	15	US-10-393-567-11	Sequence 11, Appl
19	218	100.0	3311	15	US-10-393-567-12	Sequence 12, Appl
20	218	100.0	3311	15	US-10-393-567-46	Sequence 46, Appl
21	218	100.0	3311	15	US-10-393-567-47	Sequence 47, Appl
22	218	100.0	3311	15	US-10-394-087-11	Sequence 11, Appl
23	218	100.0	3311	15	US-10-394-087-12	Sequence 12, Appl
24	218	100.0	3311	15	US-10-394-087-46	Sequence 46, Appl
25	218	100.0	3311	15	US-10-394-087-47	Sequence 47, Appl
26	216.4	99.3	527	15	US-10-066-543-2111	Sequence 2111, Ap
27	216.4	99.3	544	15	US-10-066-543-2349	Sequence 2349, Ap
28	216.4	99.3	4569	13	US-10-276-115-3	Sequence 3, Appl
29	216.4	99.3	4569	13	US-10-276-115-3	Sequence 3, Appl
30	156.2	71.7	2931	15	US-10-270-595-1	Sequence 1, Appl
31	135.4	62.1	2754	15	US-10-345-680-33	Sequence 33, Appl
32	135.4	62.1	3043	14	US-10-025-167-16	Sequence 16, Appl
33	135.4	62.1	3169	9	US-09-981-353-53	Sequence 53, Appl
34	135.4	62.1	3169	15	US-10-235-994-15	Sequence 15, Appl
35	135.4	62.1	3181	14	US-10-025-167-18	Sequence 18, Appl
36	135.4	62.1	3195	10	US-09-867-034-22	Sequence 22, Appl
37	135.4	62.1	3195	13	US-10-276-115-22	Sequence 22, Appl
38	135.4	62.1	3196	13	US-10-158-646-39	Sequence 39, Appl
39	135.4	62.1	3199	13	US-10-276-774-993	Sequence 993, App
40	135.4	62.1	3204	15	US-10-345-680-31	Sequence 31, Appl
41	135.4	62.1	3207	15	US-10-101-510-660	Sequence 660, App
42	135.4	62.1	3218	16	US-10-087-080-33	Sequence 33, Appl
43	135.4	62.1	3265	9	US-09-989-722-378	Sequence 378, App
44	135.4	62.1	3265	9	US-09-989-723-378	Sequence 378, App
45	135.4	62.1	3265	9	US-09-989-279-378	Sequence 378, App

ALIGNMENTS

RESULT 1

US-10-305-720-850
; Sequence 850, Application US/10305720
; Publication No. US20040010136A1
; GENERAL INFORMATION:
; APPLICANT: Au-Young, Janice K.; Seilhamer, Jeffrey J.
; TITLE OF INVENTION: Composition for the Detection of Signaling Pathway Gene Expression
; FILE REFERENCE: PA-0002-1 CON
; CURRENT APPLICATION NUMBER: US/10/305,720
; CURRENT FILING DATE: 2002-11-26
; PRIOR APPLICATION NUMBER: 09/016,434
; PRIOR FILING DATE: 1998-01-30
; NUMBER OF SEQ ID NOS: 1490
; SOFTWARE: PERL Program
; SEQ ID NO 850
; LENGTH: 1512
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20040010136A1 608B19
US-10-305-720-850

Query Match	100.0%;	Score 218;	DB 16;	Length 1512;
Best Local Similarity	100.0%;	Pred. No. 7.1e-69;		
Matches 218;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	1	GAACATGGCCTCATTTGATGCTTTGGGGCCCTTTCATCAGGAATGGAGCTGCTCTCA	60	
Db	116	GAACATGGCCTCATTTGATGCTTTGGGGCCCTTTCATCAGGAATGGAGCTGCTCTCA	175	
Qy	61	GGCTCCATCCAGCTTGAGAGTAAGGATTAACCTCCAGAACAGCCAGTGGATGATGG	120	
Db	176	GGCTCCATCCAGCTTGAGAGTAAGGATTAACCTCCAGAACAGCCAGTGGATGATGG	235	
Qy	121	CACAGTGTGCTGGAGCAGCACCGTGGAAAGGACACTTTGTTTCTTATCACCTGGACAAC	180	

Db 236 CACAGTGATCGTGGACAGCACCGTGGAAAGGACACTTTGTTTTCATCACCCTGGACAAC 295
QY 181 GCAGCCTCCCAATCCTTCTCTGGATCCCACTGGAC 218
Db 296 GCAGCCTCCCAATCCTTCTCTGGATCCCACTGGAC 333

RESULT 2

US-10-270-595-5
; Sequence 5, Application US/10270595
; Publication No. US20030078409A1
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/10/270,595
; CURRENT FILING DATE: 2002-10-16
; PRIOR APPLICATION NUMBER: US/09/623,624
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,472
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; PRIOR FILING DATE: 1996-08-23
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 2745
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(2742)
US-10-270-595-5

Query Match 100.0%; Score 218; DB 15; Length 2745;
Best Local Similarity 100.0%; Pred. No. 9e-69;
Matches 218; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GAACAATGCCCTCATTGATGCTTTTGGGGCCCTTTCATCAGGAATGGAGCTGTCTCTCA 60
Db 1392 GAACAATGCCCTCATTGATGCTTTTGGGGCCCTTTCATCAGGAATGGAGCTGTCTCTCA 1451
QY 61 GGGCTCCATCCAGCTTGAGAGTAAGGGATTAAACCTCCAGAACAGCCAGTGGATGAATGG 120
Db 1452 GGGCTCCATCCAGCTTGAGAGTAAGGGATTAAACCTCCAGAACAGCCAGTGGATGAATGG 1511
QY 121 CACAGTGATCGTGGACAGCACCGTGGAAAGGACACTTTGTTTTCATCACCCTGGACAAC 180
Db 1512 CACAGTGATCGTGGACAGCACCGTGGAAAGGACACTTTGTTTTCATCACCCTGGACAAC 1571
QY 181 GCAGCCTCCCAATCCTTCTCTGGATCCCACTGGAC 218
Db 1572 GCAGCCTCCCAATCCTTCTCTGGATCCCACTGGAC 1609

RESULT 3

QY 1 GAACAATGCCCTCATTGATGCTTTTGGGGCCCTTTCATCAGGAATGGAGCTGTCTCTCA 60

US-10-106-698-1971
; Sequence 1971, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptides
; FILE REFERENCE: PA005P1
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 1971
; LENGTH: 2854
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-106-698-1971
Query Match 100.0%; Score 218; DB 15; Length 2854;
Best Local Similarity 100.0%; Pred. No. 9.2e-69;
Matches 218; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GAACAATGCCCTCATTGATGCTTTTGGGGCCCTTTCATCAGGAATGGAGCTGTCTCTCA 60
Db 1426 GAACAATGCCCTCATTGATGCTTTTGGGGCCCTTTCATCAGGAATGGAGCTGTCTCTCA 1485
QY 61 GGGCTCCATCCAGCTTGAGAGTAAGGGATTAAACCTCCAGAACAGCCAGTGGATGAATGG 120
Db 1486 GGGCTCCATCCAGCTTGAGAGTAAGGGATTAAACCTCCAGAACAGCCAGTGGATGAATGG 1545
QY 121 CACAGTGATCGTGGACAGCACCGTGGAAAGGACACTTTGTTTTCATCACCCTGGACAAC 180
Db 1546 CACAGTGATCGTGGACAGCACCGTGGAAAGGACACTTTGTTTTCATCACCCTGGACAAC 1605
QY 181 GCAGCCTCCCAATCCTTCTCTGGATCCCACTGGAC 218
Db 1606 GCAGCCTCCCAATCCTTCTCTGGATCCCACTGGAC 1643

RESULT 4

US-10-106-698-351
; Sequence 351, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptides
; FILE REFERENCE: PA005P1
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 351
; LENGTH: 2867
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-106-698-351
Query Match 100.0%; Score 218; DB 15; Length 2867;
Best Local Similarity 100.0%; Pred. No. 9.2e-69;
Matches 218; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 1430 GAACAATGGCCTCATTGATGCTTTTGGGGCCCTTTTCATCAGGAATGGAGCTGTCTCTCA 1489
Qy 61 GGGCTCCATCCAGCTTTGAGAGTAAGGATTAACCCCTCCAGAACAGCCAGTGGATGAATGG 120
Db 1490 GGGCTCCATCCAGCTTTGAGAGTAAGGATTAACCCCTCCAGAACAGCCAGTGGATGAATGG 1549
Qy 121 CACAGTGTGCTGGACAGCAGCCGCTGGGAAGGACACTTTGTTTCTTATCACCCTGGACAAC 180
Db 1550 CACAGTGTGCTGGACAGCAGCCGCTGGGAAGGACACTTTGTTTCTTATCACCCTGGACAAC 1609
Qy 181 GCAGCTCCCAATCCTTCTCTGGGATCCAGTGGAC 218
Db 1610 GCAGCTCCCAATCCTTCTCTGGGATCCAGTGGAC 1647

RESULT 5
US-10-055-412B-27
; Sequence 27, Application US/10055412B
; Publication No. US20030059861A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0058
; CURRENT APPLICATION NUMBER: US/10/055,412B
; CURRENT FILING DATE: 2001-10-29
; PRIOR APPLICATION NUMBER: US/09/193,562
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 27
; LENGTH: 3007
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-055-412B-27

Query Match 100.0%; Score 218; DB 15; Length 3007;
Best Local Similarity 100.0%; Pred. No. 9.3e-69;
Matches 218; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 GAACAATGGCCTCATTGATGCTTTTGGGGCCCTTTTCATCAGGAATGGAGCTGTCTCTCA 60
Db 1438 GAACAATGGCCTCATTGATGCTTTTGGGGCCCTTTTCATCAGGAATGGAGCTGTCTCTCA 1497
Qy 61 GGGCTCCATCCAGCTTTGAGAGTAAGGATTAACCCCTCCAGAACAGCCAGTGGATGAATGG 120
Db 1498 GGGCTCCATCCAGCTTTGAGAGTAAGGATTAACCCCTCCAGAACAGCCAGTGGATGAATGG 1557
Qy 121 CACAGTGTGCTGGACAGCAGCCGCTGGGAAGGACACTTTGTTTCTTATCACCCTGGACAAC 180
Db 1558 CACAGTGTGCTGGACAGCAGCCGCTGGGAAGGACACTTTGTTTCTTATCACCCTGGACAAC 1617
Qy 181 GCAGCTCCCAATCCTTCTCTGGGATCCAGTGGAC 218
Db 1618 GCAGCTCCCAATCCTTCTCTGGGATCCAGTGGAC 1655

RESULT 6
US-10-106-698-2111
; Sequence 2111, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide
; FILE REFERENCE: PA005P1
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29

; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 2111
; LENGTH: 3109
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-106-698-2111
Query Match 100.0%; Score 218; DB 15; Length 3109;
Best Local Similarity 100.0%; Pred. No. 9.5e-69;
Matches 218; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 GAACAATGGCCTCATTGATGCTTTTGGGGCCCTTTTCATCAGGAATGGAGCTGTCTCTCA 60
Db 1279 GAACAATGGCCTCATTGATGCTTTTGGGGCCCTTTTCATCAGGAATGGAGCTGTCTCTCA 1338
Qy 61 GGGCTCCATCCAGCTTTGAGAGTAAGGATTAACCCCTCCAGAACAGCCAGTGGATGAATGG 120
Db 1339 GGGCTCCATCCAGCTTTGAGAGTAAGGATTAACCCCTCCAGAACAGCCAGTGGATGAATGG 1398
Qy 121 CACAGTGTGCTGGACAGCAGCCGCTGGGAAGGACACTTTGTTTCTTATCACCCTGGACAAC 180
Db 1399 CACAGTGTGCTGGACAGCAGCCGCTGGGAAGGACACTTTGTTTCTTATCACCCTGGACAAC 1458
Qy 181 GCAGCTCCCAATCCTTCTCTGGGATCCAGTGGAC 218
Db 1459 GCAGCTCCCAATCCTTCTCTGGGATCCAGTGGAC 1496

RESULT 7
US-09-823-356-25
; Sequence 25, Application US/09823356
; Patent No. US20010025098A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Bandman, Olga
; APPLICANT: Lal, Preeti
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Yue, Henry
; APPLICANT: Corley, Neil C.
; APPLICANT: Guegler, Karl J.
; APPLICANT: Kaser, Matthew R.
; APPLICANT: Baughn, Mariah R.
; APPLICANT: Shah, Purvi
; TITLE OF INVENTION: HUMAN MEMBRANE SPANNING PROTEINS
; FILE REFERENCE: PF-0489-1 CON
; CURRENT APPLICATION NUMBER: US/09/823,356
; CURRENT FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/039,307
; PRIOR FILING DATE: 1998 March 13
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PERL Program
; SEQ ID NO 25
; LENGTH: 3111
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No. US20010025098A1 1737775
US-09-823-356-25

Query Match 100.0%; Score 218; DB 9; Length 3111;
Best Local Similarity 100.0%; Pred. No. 9.5e-69;
Matches 218; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 GAACAATGGCCTCATTGATGCTTTTGGGGCCCTTTTCATCAGGAATGGAGCTGTCTCTCA 60
Db 1425 GAACAATGGCCTCATTGATGCTTTTGGGGCCCTTTTCATCAGGAATGGAGCTGTCTCTCA 1484
Qy 61 GGGCTCCATCCAGCTTTGAGAGTAAGGATTAACCCCTCCAGAACAGCCAGTGGATGAATGG 120

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Db      1485 GCGCTCCATCCAGCTTGAGAGTAAGGATTAACCTCCAGAACAGCCAGCTGGATGAATGG 1544
QY      121  CACAGTGATCGTGGACAGCACCGTGGGAAAGACACTTTGTTTCTTATCACCTGGACAAAC 180
Db      1545 CACAGTGATCGTGGACAGCACCGTGGGAAAGACACTTTGTTTCTTATCACCTGGACAAAC 1604
QY      181  GCAGCTCCCAAAATCCTTCTCTGGGATCCCAAGTGGAC 218
Db      1605 GCAGCTCCCAAAATCCTTCTCTGGGATCCCAAGTGGAC 1642

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RESULT 8

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US-09-981-353-191
; Sequence 191, Application US/09981353
; Patent No. US20020160382A1
; GENERAL INFORMATION:
; APPLICANT: Lasek, Amy W.
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0038 US
; CURRENT APPLICATION NUMBER: US/09/981,353
; CURRENT FILING DATE: 2001-10-11
; NUMBER OF SEQ ID NOS: 194
; SOFTWARE: PERL Program
; SEQ ID NO 191
; LENGTH: 3111
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20020160382A1 173775CB1
US-09-981-353-191

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Query Match      100.0%; Score 218; DB 9; Length 3111;
Best Local Similarity 100.0%; Pred. No. 9.5e-69;
Matches 218; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1  GAACAATGCGCTCATTTGATGCTTTTGGGGCCCTTTTCATCAGGAAATGGAGCTGTCTCTCA 60
Db      1425 GAACAATGCGCTCATTTGATGCTTTTGGGGCCCTTTTCATCAGGAAATGGAGCTGTCTCTCA 1484

QY      61  GCGCTCCATCCAGCTTGAGAGTAAGGATTAACCTCCAGAACAGCCAGCTGGATGAATGG 120
Db      1485 GCGCTCCATCCAGCTTGAGAGTAAGGATTAACCTCCAGAACAGCCAGCTGGATGAATGG 1544

QY      121 CACAGTGATCGTGGACAGCACCGTGGGAAAGACACTTTGTTTCTTATCACCTGGACAAAC 180
Db      1545 CACAGTGATCGTGGACAGCACCGTGGGAAAGACACTTTGTTTCTTATCACCTGGACAAAC 1604

QY      181 GCAGCTCCCAAAATCCTTCTCTGGGATCCCAAGTGGAC 218
Db      1605 GCAGCTCCCAAAATCCTTCTCTGGGATCCCAAGTGGAC 1642

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RESULT 9

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US-10-235-994-25
; Sequence 25, Application US/10235994
; Publication No. US20030101002A1
; GENERAL INFORMATION:
; APPLICANT: Bartha, Gabor
; APPLICANT: Walker, Michael
; TITLE OF INVENTION: METHODS FOR ANALYZING GENE EXPRESSION PATTERNS
; CURRENT APPLICATION NUMBER: US/10/235,994
; CURRENT FILING DATE: 2002-09-04
; PRIOR APPLICATION NUMBER: US/10/003,608
; PRIOR FILING DATE: 2001-11-01
; PRIOR APPLICATION NUMBER: 60/245,081
; PRIOR FILING DATE: 2000-11-01
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 25
; LENGTH: 3111

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; TYPE: DNA
; ORGANISM: Human
US-10-235-994-25

Query Match      100.0%; Score 218; DB 15; Length 3111;
Best Local Similarity 100.0%; Pred. No. 9.5e-69;
Matches 218; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1  GAACAATGCGCTCATTTGATGCTTTTGGGGCCCTTTTCATCAGGAAATGGAGCTGTCTCTCA 60
Db      1425 GAACAATGCGCTCATTTGATGCTTTTGGGGCCCTTTTCATCAGGAAATGGAGCTGTCTCTCA 1484

QY      61  GCGCTCCATCCAGCTTGAGAGTAAGGATTAACCTCCAGAACAGCCAGCTGGATGAATGG 120
Db      1485 GCGCTCCATCCAGCTTGAGAGTAAGGATTAACCTCCAGAACAGCCAGCTGGATGAATGG 1544

QY      121 CACAGTGATCGTGGACAGCACCGTGGGAAAGACACTTTGTTTCTTATCACCTGGACAAAC 180
Db      1545 CACAGTGATCGTGGACAGCACCGTGGGAAAGACACTTTGTTTCTTATCACCTGGACAAAC 1604

QY      181 GCAGCTCCCAAAATCCTTCTCTGGGATCCCAAGTGGAC 218
Db      1605 GCAGCTCCCAAAATCCTTCTCTGGGATCCCAAGTGGAC 1642

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RESULT 10

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US-09-764-868-22
; Sequence 22, Application US/09764868
; Patent No. US20020168711A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PT232
; CURRENT APPLICATION NUMBER: US/09/764,868
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 1510
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 22
; LENGTH: 3267
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-868-22

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Query Match      100.0%; Score 218; DB 9; Length 3267;
Best Local Similarity 100.0%; Pred. No. 9.7e-69;
Matches 218; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1  GAACAATGCGCTCATTTGATGCTTTTGGGGCCCTTTTCATCAGGAAATGGAGCTGTCTCTCA 60
Db      1426 GAACAATGCGCTCATTTGATGCTTTTGGGGCCCTTTTCATCAGGAAATGGAGCTGTCTCTCA 1485

QY      61  GCGCTCCATCCAGCTTGAGAGTAAGGATTAACCTCCAGAACAGCCAGCTGGATGAATGG 120
Db      1486 GCGCTCCATCCAGCTTGAGAGTAAGGATTAACCTCCAGAACAGCCAGCTGGATGAATGG 1545

QY      121 CACAGTGATCGTGGACAGCACCGTGGGAAAGACACTTTGTTTCTTATCACCTGGACAAAC 180
Db      1546 CACAGTGATCGTGGACAGCACCGTGGGAAAGACACTTTGTTTCTTATCACCTGGACAAAC 1605

QY      181 GCAGCTCCCAAAATCCTTCTCTGGGATCCCAAGTGGAC 218
Db      1606 GCAGCTCCCAAAATCCTTCTCTGGGATCCCAAGTGGAC 1643

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RESULT 11

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US-09-922-217-1056
; Sequence 1056, Application US/09922217
; Patent No. US20020076414A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather

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; APPLICANT: Benson, Darin R.
; APPLICANT: Meagher, Madeleine Joy
; APPLICANT: Stolck, John A.
; APPLICANT: Wang, Tongtong
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Smith, Carole Lynn
; APPLICANT: King, Gordon E.
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; FILE REFERENCE: 210121.471C13
; CURRENT APPLICATION NUMBER: US/09/922,217
; NUMBER OF SEQ ID NOS: 1124
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1056
; LENGTH: 3311
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-922-217-1056

Query Match      100.0%; Score 218; DB 9; Length 3311;
Best Local Similarity 100.0%; Pred. No. 9.7e-69;
Matches 218; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1  GAACATGGCCTCATTTGATGCTTTTGGGGCCCTTTCATCAGGAATGGAGCTGTCTCTCA 60
DB      1743 GAACATGGCCTCATTTGATGCTTTTGGGGCCCTTTCATCAGGAATGGAGCTGTCTCTCA 1802

QY      61  GGCTCCATCCAGCTTGAGAGTAAGGATTAACCTCCAGAACAGCCAGTGGATGAATGG 120
DB      1803 GGCTCCATCCAGCTTGAGAGTAAGGATTAACCTCCAGAACAGCCAGTGGATGAATGG 1862

QY      121  CACAGTGATCGTGACAGCACCGTGGAAGGACACTTTTGTTCCTTATCACCTGGACAAC 180
DB      1863 CACAGTGATCGTGACAGCACCGTGGAAGGACACTTTTGTTCCTTATCACCTGGACAAC 1922

QY      181  GCAGCCTCCCAAAATCCTTCTCTGGGATCCCACTGGAC 218
DB      1923 GCAGCCTCCCAAAATCCTTCTCTGGGATCCCACTGGAC 1960

RESULT 13
US-10-025-380-1056
; Sequence 1056, Application US/10025380
; Publication No. US20020182191A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather
; APPLICANT: Benson, Darin R.
; APPLICANT: Meagher, Madeleine Joy
; APPLICANT: Stolck, John A.
; APPLICANT: Wang, Tongtong
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Smith, Carole L.
; APPLICANT: King, Gordon E.
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; APPLICANT: Skeiky, Yasir A. W.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; FILE REFERENCE: 210121.471C14
; CURRENT APPLICATION NUMBER: US/10/025,380
; CURRENT FILING DATE: 2001-12-19
; NUMBER OF SEQ ID NOS: 1129
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1056
; LENGTH: 3311
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-025-380-1056

Query Match      100.0%; Score 218; DB 14; Length 3311;
Best Local Similarity 100.0%; Pred. No. 9.7e-69;
Matches 218; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1  GAACATGGCCTCATTTGATGCTTTTGGGGCCCTTTCATCAGGAATGGAGCTGTCTCTCA 60
DB      1743 GAACATGGCCTCATTTGATGCTTTTGGGGCCCTTTCATCAGGAATGGAGCTGTCTCTCA 1802

QY      61  GGCTCCATCCAGCTTGAGAGTAAGGATTAACCTCCAGAACAGCCAGTGGATGAATGG 120
DB      1803 GGCTCCATCCAGCTTGAGAGTAAGGATTAACCTCCAGAACAGCCAGTGGATGAATGG 1862

QY      121  CACAGTGATCGTGACAGCACCGTGGAAGGACACTTTTGTTCCTTATCACCTGGACAAC 180
DB      1863 CACAGTGATCGTGACAGCACCGTGGAAGGACACTTTTGTTCCTTATCACCTGGACAAC 1922

QY      181  GCAGCCTCCCAAAATCCTTCTCTGGGATCCCACTGGAC 218
DB      1923 GCAGCCTCCCAAAATCCTTCTCTGGGATCCCACTGGAC 1960

RESULT 14
US-10-393-590-11
; Sequence 11, Application US/10393590
; Publication No. US20030190656A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather
; APPLICANT: Benson, Darin R.
; APPLICANT: Meagher, Madeleine Joy
; APPLICANT: Stolck, John A.
; APPLICANT: Wang, Tongtong
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Smith, Carole Lynn
; APPLICANT: King, Gordon E.
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; FILE REFERENCE: 210121.471C13
; CURRENT APPLICATION NUMBER: US/09/922,217
; NUMBER OF SEQ ID NOS: 1124
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1056
; LENGTH: 3311
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-922-217-1056

Query Match      100.0%; Score 218; DB 9; Length 3311;
Best Local Similarity 100.0%; Pred. No. 9.7e-69;
Matches 218; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1  GAACATGGCCTCATTTGATGCTTTTGGGGCCCTTTCATCAGGAATGGAGCTGTCTCTCA 60
DB      1743 GAACATGGCCTCATTTGATGCTTTTGGGGCCCTTTCATCAGGAATGGAGCTGTCTCTCA 1802

QY      61  GGCTCCATCCAGCTTGAGAGTAAGGATTAACCTCCAGAACAGCCAGTGGATGAATGG 120
DB      1803 GGCTCCATCCAGCTTGAGAGTAAGGATTAACCTCCAGAACAGCCAGTGGATGAATGG 1862

QY      121  CACAGTGATCGTGACAGCACCGTGGAAGGACACTTTTGTTCCTTATCACCTGGACAAC 180
DB      1863 CACAGTGATCGTGACAGCACCGTGGAAGGACACTTTTGTTCCTTATCACCTGGACAAC 1922

QY      181  GCAGCCTCCCAAAATCCTTCTCTGGGATCCCACTGGAC 218
DB      1923 GCAGCCTCCCAAAATCCTTCTCTGGGATCCCACTGGAC 1960

RESULT 12
US-09-833-263-1056
; Sequence 1056, Application US/09833263
; Patent No. US20020110547A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; APPLICANT: Stolck, John A.
; APPLICANT: Meagher, Madeleine J.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF COLON CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.471C12
; CURRENT APPLICATION NUMBER: US/09/833,263
; CURRENT FILING DATE: 2001-04-10
; NUMBER OF SEQ ID NOS: 1093
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1056
; LENGTH: 3311
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-833-263-1056

Query Match      100.0%; Score 218; DB 9; Length 3311;
Best Local Similarity 100.0%; Pred. No. 9.7e-69;
Matches 218; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1  GAACATGGCCTCATTTGATGCTTTTGGGGCCCTTTCATCAGGAATGGAGCTGTCTCTCA 60
DB      1743 GAACATGGCCTCATTTGATGCTTTTGGGGCCCTTTCATCAGGAATGGAGCTGTCTCTCA 1802
```

; APPLICANT: WANG, YIXIN
 ; TITLE OF INVENTION: BREAST CANCER PROGNASTIC PORTFOLIO
 ; FILE REFERENCE: CDS 268 US NP
 ; CURRENT APPLICATION NUMBER: US/10/393,590
 ; CURRENT FILING DATE: 2003-03-21
 ; PRIOR APPLICATION NUMBER: 60/368,789
 ; PRIOR FILING DATE: 2002-03-29
 ; NUMBER OF SEQ ID NOS: 100
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 11
 ; LENGTH: 3311
 ; TYPE: DNA
 ; ORGANISM: human
 ; ORGANISM: human
 US-10-393-590-11

Query Match 100.0%; Score 218; DB 15; Length 3311;
 Best Local Similarity 100.0%; Pred. No. 9.7e-69;
 Matches 218; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 GAACAATGGCCTCATTGATGCTTTTGGGGCCCTTTTCATCAGGAATGGAGCTGTCTCTCA 60
 DB 1743 GAACAATGGCCTCATTGATGCTTTTGGGGCCCTTTTCATCAGGAATGGAGCTGTCTCTCA 1802
 QY 61 GCGCTCCATCCAGCTTGGAGTAAGGGATTAAACCTCCAGAACAGCCAGTGGATGAATGG 120
 DB 1803 GCGCTCCATCCAGCTTGGAGTAAGGGATTAAACCTCCAGAACAGCCAGTGGATGAATGG 1862
 QY 121 CACAGTGATCGTGACAGCAGCCGTTGGGAAAGACACTTTGTTTCTTATCACCTGGACAC 180
 DB 1863 CACAGTGATCGTGACAGCAGCCGTTGGGAAAGACACTTTGTTTCTTATCACCTGGACAC 1922
 QY 181 GCAGCTCCCAATCCTTCTCTGGGATCCAGTGGAC 218
 DB 1923 GCAGCTCCCAATCCTTCTCTGGGATCCAGTGGAC 1960

RESULT 15
 US-10-393-590-12
 ; Sequence 12, Application US/10393590
 ; Publication No. US20030190656A1
 ; GENERAL INFORMATION:
 ; APPLICANT: WANG, YIXIN
 ; TITLE OF INVENTION: BREAST CANCER PROGNASTIC PORTFOLIO
 ; FILE REFERENCE: CDS 268 US NP
 ; CURRENT APPLICATION NUMBER: US/10/393,590
 ; CURRENT FILING DATE: 2003-03-21
 ; PRIOR APPLICATION NUMBER: 60/368,789
 ; PRIOR FILING DATE: 2002-03-29
 ; NUMBER OF SEQ ID NOS: 100
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 12
 ; LENGTH: 3311
 ; TYPE: DNA
 ; ORGANISM: human
 ; ORGANISM: human
 US-10-393-590-12

Query Match 100.0%; Score 218; DB 15; Length 3311;
 Best Local Similarity 100.0%; Pred. No. 9.7e-69;
 Matches 218; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 GAACAATGGCCTCATTGATGCTTTTGGGGCCCTTTTCATCAGGAATGGAGCTGTCTCTCA 60
 DB 1743 GAACAATGGCCTCATTGATGCTTTTGGGGCCCTTTTCATCAGGAATGGAGCTGTCTCTCA 1802
 QY 61 GCGCTCCATCCAGCTTGGAGTAAGGGATTAAACCTCCAGAACAGCCAGTGGATGAATGG 120
 DB 1803 GCGCTCCATCCAGCTTGGAGTAAGGGATTAAACCTCCAGAACAGCCAGTGGATGAATGG 1862
 QY 121 CACAGTGATCGTGACAGCAGCCGTTGGGAAAGACACTTTGTTTCTTATCACCTGGACAC 180
 DB 1863 CACAGTGATCGTGACAGCAGCCGTTGGGAAAGACACTTTGTTTCTTATCACCTGGACAC 1922
 QY 181 GCAGCTCCCAATCCTTCTCTGGGATCCAGTGGAC 218

Db 1923 GCAGCTCCCAATCCTTCTCTGGGATCCAGTGGAC 1960
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9: /cgn2_6/ptodata/2/pubpaa/US09A_PUBCOMB.pep.*
10: /cgn2_6/ptodata/2/pubpaa/US09B_PUBCOMB.pep.*
11: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pep.*
12: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep.*
13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pep.*
14: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep.*
15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pep.*
16: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
17: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep.*
18: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description

1	374	89.5	552	14	US-10-106-698-4628	Sequence 4628, Ap
2	374	89.5	869	14	US-10-106-698-6388	Sequence 6388, Ap
3	374	89.5	914	9	US-09-823-356-8	Sequence 8, Appli
4	374	89.5	914	9	US-09-922-217-1066	Sequence 1066, Ap
5	374	89.5	914	9	US-09-833-263-1066	Sequence 1066, Ap
6	374	89.5	914	9	US-09-981-353-192	Sequence 192, App
7	374	89.5	914	11	US-09-833-245-2054	Sequence 2054, Ap
8	374	89.5	914	13	US-10-025-380-1066	Sequence 1066, Ap
9	374	89.5	914	14	US-10-055-4128-28	Sequence 28, Appli
10	374	89.5	914	14	US-10-270-595-6	Sequence 6, Appli
11	374	89.5	914	14	US-10-235-994-26	Sequence 42, Appli
12	374	89.5	914	14	US-10-060-255-42	Sequence 42, Appli
13	374	89.5	914	15	US-10-369-214-1133	Sequence 1133, App
14	374	89.5	925	9	US-09-764-868-635	Sequence 635, App
15	374	89.5	925	14	US-10-106-698-6348	Sequence 6248, Ap
16	313	74.9	913	14	US-10-270-595-2	Sequence 2, Appli
17	313	74.9	913	15	US-10-369-214-132	Sequence 132, App
18	291	69.6	917	9	US-09-981-353-54	Sequence 54, Appli
19	291	69.6	917	13	US-10-025-167-41	Sequence 41, Appli
20	291	69.6	917	14	US-10-235-994-16	Sequence 16, Appli
21	291	69.6	917	14	US-10-345-680-32	Sequence 32, Appli
22	291	69.6	917	15	US-10-369-214-134	Sequence 134, App
23	291	69.6	917	15	US-10-087-080-34	Sequence 34, Appli
24	291	69.6	919	9	US-09-989-722-379	Sequence 379, App
25	291	69.6	919	9	US-09-989-723-379	Sequence 379, App
26	291	69.6	919	9	US-09-989-727-379	Sequence 379, App
27	291	69.6	919	9	US-09-989-727-379	Sequence 379, App
28	291	69.6	919	9	US-09-989-731-379	Sequence 379, App
29	291	69.6	919	9	US-09-989-732-379	Sequence 379, App
30	291	69.6	919	9	US-09-991-073-379	Sequence 379, App
31	291	69.6	919	9	US-09-990-442-379	Sequence 379, App
32	291	69.6	919	9	US-09-991-163-379	Sequence 379, App
33	291	69.6	919	9	US-09-993-604-379	Sequence 379, App
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35	291	69.6	919	9	US-09-989-721-379	Sequence 379, App
36	291	69.6	919	9	US-09-989-723-379	Sequence 379, App
37	291	69.6	919	9	US-09-989-735-379	Sequence 379, App
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39	291	69.6	919	9	US-09-990-444-379	Sequence 379, App
40	291	69.6	919	9	US-09-991-181-379	Sequence 379, App
41	291	69.6	919	9	US-09-989-730-379	Sequence 379, App
42	291	69.6	919	9	US-09-990-436-379	Sequence 379, App
43	291	69.6	919	9	US-09-993-687-379	Sequence 379, App
44	291	69.6	919	10	US-09-989-734-379	Sequence 379, App
45	291	69.6	919	10	US-09-997-653-379	Sequence 379, App

ALIGNMENTS

RESULT 1
US-10-106-698-4628
; Sequence 4628, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptides
; FILE REFERENCE: PA005P1
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: Patentin Ver. 3.0
; SEQ ID NO 4628
; LENGTH: 552
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-106-698-4628

Alignment Scores:

Pred. No.: 3 43e-37 Length: 552
Score: 374.00 Matches: 72
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 89.47% Indels: 0
DB: 14 Gaps: 0

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QY 62 CGCTCCATCCAGCTTCCAGAGTAAGGATTAAACCTCCAGAACAGCCAGTGGATGAATGGC 121
DB 123 ArgSerIleGlnLeuGluSerLysGlyLeuThrLeuGlnAsnSerGlnTrpMetAsnGly 142
QY 122 ACAGTGATCGTGACAGCACCGTGGGAAAGGACACCTTTGTTCTTATCACCTGGACAACG 181
DB 143 ThrValIleValAspSerThrValGlyLysAspThrLeuPheLeuileThrTrpThr 162
QY 182 CAGCTCCCAAAATCCTTCTCTGGGATCCCAAGTGA 217
DB 163 GlnProProGlnIleLeuLeuTrpAspProSerGly 174

RESULT 2

US-10-106-698-6388
; Sequence 6388, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide
; FILE REFERENCE: PA005P1
; CURRENT APPLICATION NUMBER: US/10/106,698
; PRIOR FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 6388
; LENGTH: 869
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (14)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-10-106-698-6388

Alignment Scores:

Pred. No.: 3 73e-37 Length: 869
Score: 374.00 Matches: 72
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 89.47% Indels: 0
DB: 14 Gaps: 0

US-09-049-696-9 (1-218) x US-10-106-698-6388 (1-869)

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QY 62 CGCTCCATCCAGCTTCCAGAGTAAGGATTAAACCTCCAGAACAGCCAGTGGATGAATGGC 121
DB 440 ArgSerIleGlnLeuGluSerLysGlyLeuThrLeuGlnAsnSerGlnTrpMetAsnGly 459
QY 122 ACAGTGATCGTGACAGCACCGTGGGAAAGGACACTTTGTTCTTATCACCTGGACAACG 181

Db 460 ThrValIleValAspSerThrValGlyLysAspThrLeuPheLeuileThrTrpThr 479
QY 182 CAGCTCCCAAAATCCTTCTCTGGGATCCCAAGTGA 217
DB 480 GlnProProGlnIleLeuLeuTrpAspProSerGly 491
RESULT 3
US-09-823-356-8
; Sequence 8, Application US/09823356
; Patent No. US20010025098A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Bandman, Olga
; APPLICANT: Lal, Preeti
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Yue, Henry
; APPLICANT: Corley, Neil C.
; APPLICANT: Guegler, Karl J.
; APPLICANT: Kaser, Matthew R.
; APPLICANT: Baughn, Mariah R.
; APPLICANT: Shah, Purvi
; TITLE OF INVENTION: HUMAN MEMBRANE SPANNING PROTEINS
; FILE REFERENCE: PF-0489-1 CON
; CURRENT APPLICATION NUMBER: US/09/823,356
; CURRENT FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/039,307
; PRIOR FILING DATE: 1998 March 13
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PERL Program
; SEQ ID NO 8
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20010025098A1 1737775
US-09-823-356-8

Alignment Scores:

Pred. No.: 3 77e-37 Length: 914
Score: 374.00 Matches: 72
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 89.47% Indels: 0
DB: 9 Gaps: 0

US-09-049-696-9 (1-218) x US-09-823-356-8 (1-914)

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DB 485 ArgSerIleGlnLeuGluSerLysGlyLeuThrLeuGlnAsnSerGlnTrpMetAsnGly 504
QY 122 ACAGTGATCGTGACAGCACCGTGGGAAAGGACACTTTGTTCTTATCACCTGGACAACG 181
DB 505 ThrValIleValAspSerThrValGlyLysAspThrLeuPheLeuileThrTrpThr 524
QY 182 CAGCTCCCAAAATCCTTCTCTGGGATCCCAAGTGA 217
DB 525 GlnProProGlnIleLeuLeuTrpAspProSerGly 536

RESULT 4

US-09-922-217-1066
; Sequence 1066, Application US/09922217
; Patent No. US20020076414A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather

```
; APPLICANT: Benson, Darin R.
; APPLICANT: Meagher, Madeleine Joy
; APPLICANT: Stolk, John A.
; APPLICANT: Wang, Tongtong
; APPLICANT: Jiang, Yugu
; APPLICANT: Smith, Carole Lynn
; APPLICANT: King, Gordon E.
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; TITLE OF INVENTION: OF COLON CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.471C13
; CURRENT APPLICATION NUMBER: US/09/922,217
; CURRENT FILING DATE: 2001-08-03
; NUMBER OF SEQ ID NOS: 1124
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1066
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-922-217-1066

Alignment Scores:
Pred. No.: 3,77e-37 Length: 914
Score: 374.00 Matches: 72
Percent Similarity: 100.00%
Best Local Similarity: 100.00%
Query Match: 89.47%
Indels: 0
Gaps: 0
DB: 9

US-09-049-696-9 (1-218) x US-09-922-217-1066 (1-914)
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Db 485 ArgSerIleGlnLeuGluSerGlyLeuThrLeuGlnAsnSerGlnTrpMetAsnGly 504
QY 122 ACAGTGATCGTGACAGCACCGTGGGAAGGACACTTCTTCTTATCAGTGGACAAACG 181
Db 505 ThrValIleValAspSerThrValGlyLysAspThrLeuPheLeulleThrTrpThr 524
QY 182 CAGCTCCCAAAATCCTTCTCTGGGATCCAGTGA 217
Db 525 GlnProGlnIleLeuLeuTrpAspProSerGly 536

RESULT 5
US-09-833-263-1066
; Sequence 1066, Application US/09833263
; Patent No. US20020110547A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; APPLICANT: Stolk, John A.
; APPLICANT: Meagher, Madeleine J.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF COLON CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.471C12
; CURRENT APPLICATION NUMBER: US/09/833,263
; CURRENT FILING DATE: 2001-04-10
; NUMBER OF SEQ ID NOS: 1093
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1066
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-833-263-1066

Alignment Scores:
Pred. No.: 3,77e-37 Length: 914
Score: 374.00 Matches: 72
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Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 89.47% Indels: 0
DB: 9 Gaps: 0

US-09-049-696-9 (1-218) x US-09-833-263-1066 (1-914)
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QY 62 CGCTCCATCCAGCTTGAGAGTAAGGATTAAACCTCCAGAACAGCCAGTGGATGAATGGC 121
Db 485 ArgSerIleGlnLeuGluSerGlyLeuThrLeuGlnAsnSerGlnTrpMetAsnGly 504
QY 122 ACAGTGATCGTGACAGCACCGTGGGAAGGACACTTCTTCTTATCAGTGGACAAACG 181
Db 505 ThrValIleValAspSerThrValGlyLysAspThrLeuPheLeulleThrTrpThr 524
QY 182 CAGCTCCCAAAATCCTTCTCTGGGATCCAGTGA 217
Db 525 GlnProGlnIleLeuLeuTrpAspProSerGly 536

RESULT 6
US-09-981-353-192
; Sequence 192, Application US/09981353
; Patent No. US20020160382A1
; GENERAL INFORMATION:
; APPLICANT: Lasek, Amy W.
; APPLICANT: Jones, David A.
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0038 US
; CURRENT APPLICATION NUMBER: US/09/981,353
; CURRENT FILING DATE: 2001-10-11
; NUMBER OF SEQ ID NOS: 194
; SOFTWARE: PERL Program
; SEQ ID NO 192
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20020160382A1 1737775CD1
US-09-981-353-192

Alignment Scores:
Pred. No.: 3,77e-37 Length: 914
Score: 374.00 Matches: 72
Percent Similarity: 100.00%
Best Local Similarity: 100.00%
Query Match: 89.47%
Indels: 0
DB: 9 Gaps: 0

US-09-049-696-9 (1-218) x US-09-981-353-192 (1-914)
QY 2 AACATGGCCTCATTCATGCTTTTGGGGCCCTTTCATCAGGAATGGAGCTGTCTCTCAG 61
Db 465 AnnAnnglyLeulleaspAlaPheGlyAlaLeuSerSerGlyAsnGlyAlaValSerGln 484
QY 62 CGCTCCATCCAGCTTGAGAGTAAGGATTAAACCTCCAGAACAGCCAGTGGATGAATGGC 121
Db 485 ArgSerIleGlnLeuGluSerGlyLeuThrLeuGlnAsnSerGlnTrpMetAsnGly 504
QY 122 ACAGTGATCGTGACAGCACCGTGGGAAGGACACTTCTTCTTATCAGTGGACAAACG 181
Db 505 ThrValIleValAspSerThrValGlyLysAspThrLeuPheLeulleThrTrpThr 524
QY 182 CAGCTCCCAAAATCCTTCTCTGGGATCCAGTGA 217
Db 525 GlnProGlnIleLeuLeuTrpAspProSerGly 536

RESULT 7
US-09-833-245-2054
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; Sequence 2054, Application US/09833245
; Publication No. US2004010134A1
; GENERAL INFORMATION:
; APPLICANT: Human Genome Sciences, Inc.
; FILE OF INVENTION: Albumin Fusion Proteins
; FILE REFERENCE: PF546PCT
; CURRENT APPLICATION NUMBER: US/09/833,245
; CURRENT FILING DATE: 2001-04-12
; PRIOR APPLICATION NUMBER: 60/229, 358
; PRIOR FILING DATE: 2000-04-12
; PRIOR APPLICATION NUMBER: 60/256, 931
; PRIOR FILING DATE: 2000-12-21
; PRIOR APPLICATION NUMBER: 60/199, 384
; PRIOR FILING DATE: 2000-04-25
; NUMBER OF SEQ ID NOS: 2267
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 2054
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-833-245-2054

Alignment Scores:
Pred. No.: 3,77e-37 Length: 914
Score: 374.00 Matches: 72
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 89.47% Indels: 0
DB: 11 Gaps: 0

US-09-049-696-9 (1-218) x US-09-833-245-2054 (1-914)
QY 2 AACATGGCCTCATGTGATGCTTTTGGGGCCCTTTTCATCAGGAATGGAGCTGTCTCTCAG 61
Db 465 AsnAenGlyLeuIleAspAlaPheGlyAlaLeuSerSerGlyAsnGlyAlaValSerGln 484
QY 62 CGCTCCATCCAGCTTGAGAGTAAGGATTAAACCTCCAGAACAGCCAGTGGATGAATGC 121
Db 485 ArgSerIleGlnLeuGluSerLysGlyLeuThrLeuGlnAsnSerGlnTrpMetAenGly 504
QY 122 ACAGTGATCGTGACAGCACCGTGGAAAGGACATTTCTTTTATCATCCTGGACAACG 181
Db 505 ThrValIleValAspSerThrValGlyLysAspThrLeuPheLeuIleThrTrpThr 524
QY 182 CAGCTCCCAATCCTTCTCTGGATCCCACTGGA 217
Db 525 GlnProGlnIleLeuLeuTrpAspProSerGly 536

RESULT 8
US-10-025-380-1066
; Sequence 1066, Application US/10025380
; Publication No. US20020182191A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather
; APPLICANT: Benson, Darin R.
; APPLICANT: Meagher, Madeleine Joy
; APPLICANT: Stolk, John A.
; APPLICANT: Wang, Tongtong
; APPLICANT: Jiang, Yugu
; APPLICANT: Smith, Carole L.
; APPLICANT: King, Gordon E.
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; APPLICANT: Skeiky, Yasir A. W.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Vedvick Thomas S.
; APPLICANT: Carter, Darrick
; FILE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; TITLE OF INVENTION: OF COLON CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.471C14
; CURRENT APPLICATION NUMBER: US/10/025,380
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; CURRENT FILING DATE: 2001-12-19
; NUMBER OF SEQ ID NOS: 1129
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1066
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-025-380-1066

Alignment Scores:
Pred. No.: 3,77e-37 Length: 914
Score: 374.00 Matches: 72
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 89.47% Indels: 0
DB: 13 Gaps: 0

US-09-049-696-9 (1-218) x US-10-025-380-1066 (1-914)
QY 2 AACATGGCCTCATGTGATGCTTTTGGGGCCCTTTTCATCAGGAATGGAGCTGTCTCTCAG 61
Db 465 AsnAenGlyLeuIleAspAlaPheGlyAlaLeuSerSerGlyAsnGlyAlaValSerGln 484
QY 62 CGCTCCATCCAGCTTGAGAGTAAGGATTAAACCTCCAGAACAGCCAGTGGATGAATGC 121
Db 485 ArgSerIleGlnLeuGluSerLysGlyLeuThrLeuGlnAsnSerGlnTrpMetAenGly 504
QY 122 ACAGTGATCGTGACAGCACCGTGGAAAGGACATTTCTTTTATCATCCTGGACAACG 181
Db 505 ThrValIleValAspSerThrValGlyLysAspThrLeuPheLeuIleThrTrpThr 524
QY 182 CAGCTCCCAATCCTTCTCTGGATCCCACTGGA 217
Db 525 GlnProGlnIleLeuLeuTrpAspProSerGly 536

RESULT 9
US-10-055-412B-28
; Sequence 28, Application US/10055412B
; Publication No. US20030059861A1
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0058
; CURRENT APPLICATION NUMBER: US/10/055,412B
; CURRENT FILING DATE: 2001-10-29
; PRIOR APPLICATION NUMBER: US/09/193,562
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 28
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-055-412B-28

Alignment Scores:
Pred. No.: 3,77e-37 Length: 914
Score: 374.00 Matches: 72
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 89.47% Indels: 0
DB: 14 Gaps: 0

US-09-049-696-9 (1-218) x US-10-055-412B-28 (1-914)
QY 2 AACATGGCCTCATGTGATGCTTTTGGGGCCCTTTTCATCAGGAATGGAGCTGTCTCTCAG 61
Db 465 AsnAenGlyLeuIleAspAlaPheGlyAlaLeuSerSerGlyAsnGlyAlaValSerGln 484
QY 62 CGCTCCATCCAGCTTGAGAGTAAGGATTAAACCTCCAGAACAGCCAGTGGATGAATGC 121
; FILE REFERENCE: 210121.471C14
; CURRENT APPLICATION NUMBER: US/10/025,380
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Db 485 ArgSerIleGlnLeuGluSerLysGlyLeuThrLeuGlnAsnSerGlnTrpMetAsnGly 504
QY 122 ACAGTGATCGTGACACGACCGCTGGGAAGGACACTTTGTTCTTATCAGCTGGACAACG 181
Db 505 ThrValIleValAspSerThrValGlyLysAspThrLeuPheLeuIleThrTrpThr 524
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Db 525 GlnProGlnIleLeuLeuTrpAspProSerGly 536
RESULT 10
US-10-270-595-6
; Sequence 6, Application US/10270595
; Publication No. US20030078409A1
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT FILING DATE: 2002-10-16
; PRIOR FILING DATE: US/10/270,595
; PRIOR APPLICATION NUMBER: US/09/623,624
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
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; PRIOR APPLICATION NUMBER: US 08/697,472
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; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; PRIOR FILING DATE: 1996-08-23
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
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; TYPE: PRT
; ORGANISM: Homo sapiens
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; Sequence 26, Application US/10235994
; Publication No. US20030101002A1
; GENERAL INFORMATION:
; APPLICANT: Bartha, Gabor
; APPLICANT: Walker, Michael
; TITLE OF INVENTION: METHODS FOR ANALYZING GENE EXPRESSION PATTERNS
; FILE REFERENCE: ICYTP012
; CURRENT FILING DATE: 2002-09-04
; PRIOR FILING DATE: US/10/235,994
; PRIOR APPLICATION NUMBER: US/10/003,608
; PRIOR FILING DATE: 2001-11-01
; PRIOR APPLICATION NUMBER: 60/245,081
; PRIOR FILING DATE: 2000-11-01
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; SEQ ID NO 26
; LENGTH: 914
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; Sequence 42, Application US/10060255
; Publication No. US20030113840A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 25 Human secreted proteins
; FILE REFERENCE: P2042P1
; CURRENT FILING DATE: 2002-02-01
; PRIOR FILING DATE: 2002-02-01
; PRIOR APPLICATION NUMBER: 09/781,417
; PRIOR FILING DATE: 2001-02-13
; PRIOR APPLICATION NUMBER: PCT/US00/22325
; PRIOR FILING DATE: 2000-08-16
; PRIOR APPLICATION NUMBER: 60/149,182
; PRIOR FILING DATE: 1999-08-17
; NUMBER OF SEQ ID NOS: 86
; SOFTWARE: PatentIn Ver. 2.0
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; LENGTH: 914

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; APPLICANT: Bartha, Gabor
; APPLICANT: Walker, Michael
; TITLE OF INVENTION: METHODS FOR ANALYZING GENE EXPRESSION PATTERNS
; FILE REFERENCE: ICYTP012
; CURRENT FILING DATE: 2002-09-04
; PRIOR FILING DATE: US/10/235,994
; PRIOR APPLICATION NUMBER: US/10/003,608
; PRIOR FILING DATE: 2001-11-01
; PRIOR APPLICATION NUMBER: 60/245,081
; PRIOR FILING DATE: 2000-11-01
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; Publication No. US20030113840A1
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; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 25 Human secreted proteins
; FILE REFERENCE: P2042P1
; CURRENT FILING DATE: 2002-02-01
; PRIOR FILING DATE: 2002-02-01
; PRIOR APPLICATION NUMBER: 09/781,417
; PRIOR FILING DATE: 2001-02-13
; PRIOR APPLICATION NUMBER: PCT/US00/22325
; PRIOR FILING DATE: 2000-08-16
; PRIOR APPLICATION NUMBER: 60/149,182
; PRIOR FILING DATE: 1999-08-17
; NUMBER OF SEQ ID NOS: 86
; SOFTWARE: PatentIn Ver. 2.0
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; LENGTH: 914

; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-060-255-42

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RESULT 13

US-10-369-214-133
; Sequence 133, Application US/10369214
; Publication No. US20030232037A1
; GENERAL INFORMATION:
; APPLICANT: Groot, Pieter C.
; APPLICANT: Berghenhouwen van, Bram J.
; APPLICANT: Oosterhout van, Antoon J.M.
; TITLE OF INVENTION: Genes involved in immune related responses observed
; TITLE OF INVENTION: with asthma
; FILE REFERENCE: P53837US00
; CURRENT APPLICATION NUMBER: US/10/369,214
; CURRENT FILING DATE: 2003-02-15
; PRIOR APPLICATION NUMBER: EP 0202867.8
; PRIOR FILING DATE: 2000-08-16
; PRIOR APPLICATION NUMBER: PCT/NL01/00610
; PRIOR FILING DATE: 2001-08-16
; NUMBER OF SEQ ID NOS: 139
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US-10-369-214-133

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QY 122 ACAGTATCGTGAGCAGCAGCCTCGGAAAGGACACTTTCTTATCACCCTGGACAAG 181
DB 505 ThrValIleValAaspSerThrValGlyLysAaspThrLeuPheLeuIleThrTrpThr 524
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US-09-764-868-635
; Sequence 635, Application US/09764868
; Patent No. US20020168711A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; FILE REFERENCE: PT232
; CURRENT APPLICATION NUMBER: US/09/764,868
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 1510
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; LENGTH: 925
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DB 496 ArgSerIleGlnLeuGluSerlyGlyLeuThrLeuGlnAenSerGlnTrpMetAenGly 515
QY 122 ACAGTATCGTGAGCAGCAGCCTCGGAAAGGACACTTTCTTATCACCCTGGACAAG 181
DB 516 ThrValIleValAaspSerThrValGlyLysAaspThrLeuPheLeuIleThrTrpThr 535
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DB 536 GlnProGlnIleLeuLeuTrpAaspProSerGly 547

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US-10-106-698-6248
; Sequence 6248, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptides
; FILE REFERENCE: PA005PI
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03

; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
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; LENGTH: 925
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-106-698-6248

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GenCore version 5.1.6
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Post-processing: Minimum Match 0%
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Listing first 45 summaries

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SUMMARIES

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14	187.5	44.9	592	4	US-09-542-615A-169	Sequence 169, App
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22	187.5	44.9	943	4	US-09-643-597-161	Sequence 161, App
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31	67	16.0	370	4	US-09-107-532A-5920	Sequence 5920, App
32	67	16.0	713	4	US-09-198-452A-640	Sequence 640, App
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34	64.5	15.4	400	2	US-08-713-298B-2	Sequence 2, Appli
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44	63.5	15.2	20	4	US-09-542-615A-234	Sequence 234, App
45	63.5	15.2	20	4	US-09-606-421B-234	Sequence 234, App

ALIGNMENTS

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US-09-193-562D-28
; Sequence 28, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Paulli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; FILE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
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; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-193-562D-28

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; Sequence 6, Application US/09623624
; Patent No. 6576434
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/09/623,624
; CURRENT FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
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; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
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; PRIOR FILING DATE: 1996-08-23
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; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,110
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,168
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,168
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/980,872
; PRIOR FILING DATE: 1997-12-01
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-623-624-6

Alignment Scores:
Pred. No.: 4,41e-40 Length: 914
Score: 374.00 Matches: 72
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 89.47% Indels: 0
DB: 4 Gaps: 0

US-09-049-696-9 (1-218) x US-09-623-624-6 (1-914)
QY 2 AACATGGCTCATTTGATGCTTTTGGGGCCCTTTTCATCAGGAATGGAGCTGTCTCTAG 61
Db 465 AsnAsnGlyLeuIleAspAlaPheGlyAlaLeuSerSerGlyAsnGlyAlaValSerGln 484
QY 62 CGCTCCATCCAGCTTGAGAGTAAGGATTAACCTCCAGAACAGCCAGTGGATGATGC 121
Db 485 ArgSerIleGlnLeuGluSerLysGlyLeuThrLeuGlnAsnSerGlnTrpMetAsnGly 504
QY 122 ACAGTGATCGTCGACGACCGCTGGAGAGGACACTTTGTTTCTTATCACCTGGACAACG 181
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Db 505 ThrValIleValAspSerThrValGlyLysAspThrLeuPheLeuIleThrTrpThr 524
QY 182 CAGCTCCCAAACTCTCTCTGGGATCCCAAGTGA 217
Db 525 GlnProGlnIleLeuLeuTrpAspProSerGly 536

RESULT 3
US-09-623-624-2
; Sequence 2, Application US/09623624
; Patent No. 6576434
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/09/623,624
; CURRENT FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,472
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,110
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,168
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/980,872
; PRIOR FILING DATE: 1997-12-01
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-623-624-2

Alignment Scores:
Pred. No.: 3,84e-32 Length: 913
Score: 313.00 Matches: 56
Percent Similarity: 90.28% Conservative: 9
Best Local Similarity: 77.78% Mismatches: 7
Query Match: 74.88% Indels: 0
DB: 4 Gaps: 0

US-09-049-696-9 (1-218) x US-09-623-624-2 (1-913)
QY 2 AACATGGCTCATTTGATGCTTTTGGGGCCCTTTTCATCAGGAATGGAGCTGTCTCTAG 61
Db 466 AsnAsnGlyLeuValAspAlaPheAlaLeuSerSerGlyAsnAlaIleAlaGln 485
QY 62 CGCTCCATCCAGCTTGAGAGTAAGGATTAACCTCCAGAACAGCCAGTGGATGATGC 121
Db 486 HisSerIleGlnLeuGluSerArgGlyValAsnLeuGlnAsnAsnGlnTrpMetAsnGly 505
QY 122 ACAGTGATCGTCGACGACCGCTGGAGAGGACACTTTGTTTCTTATCACCTGGACAACG 181
Db 506 SerValIleValAspSerSerValGlyLysAspThrLeuPheLeuIleThrTrpThr 525
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QY 182 CAGCTCCCAATCCTTCTCTGGATCCAGTGA 217
Db 526 HieProThrilePheileTrpAspProSerGly 537

RESULT 4

US-09-049-698-41

; Sequence 41, Application US/09049698
; Patent No. 6368792
; GENERAL INFORMATION:
; APPLICANT: BILLING-MEDEL, PATRICIA A.
; APPLICANT: COHEN, MAURICE
; APPLICANT: COLPITS, TRACEY L.
; APPLICANT: FRIEDMAN, PAULA N.
; APPLICANT: HAYDEN, MARK
; APPLICANT: KLASS, MICHAEL R.
; APPLICANT: ROBERTS-RAPP, LISA
; APPLICANT: RUSSELL, JOHN C.
; APPLICANT: STROUPE, STEPHEN D.
; TITLE OF INVENTION: REAGENTS AND METHODS FOR THE
; TITLE OF INVENTION: USEFUL FOR DETECTING DISEASES OF THE GASTROINTESTINAL
; TITLE OF INVENTION: TRACT
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Abbott Laboratories
; STREET: 100 Abbott Park Road
; CITY: Abbott Park
; STATE: IL
; COUNTRY: USA
; ZIP: 60064-3500
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/049,698
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/828,856
; FILING DATE: 31-MAR-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Becker, Cheryl L.
; REGISTRATION NUMBER: 35,441
; REFERENCE/DOCKET NUMBER: 6068.US.P1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 847/935-1729
; TELEFAX: 847/938-2623
; TELEX:
; INFORMATION FOR SEQ ID NO: 41:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 917 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: No. 6368792e

US-09-049-698-41
Alignment Scores:
Pred. No.: 2,81e-29 Length: 917
Score: 291.00 Matches: 54
Percent Similarity: 86.11% Conservative: 8
Best Local Similarity: 75.00% Mismatches: 10
Query Match: 69.62% Indels: 0
DB: 4 Gaps: 0

US-09-049-696-9 (1-218) x US-09-049-698-41 (1-917)

QY 2 AACATGGCTCATTCATGCTTTTGGGCCCTTTCATCAGGAATGAGCTGTCTCTCAG 61
Db 466 AsnAsnGlyLeuIleAspAlaPheGlyAlaLeuThrSerGlyAsnThrAspLeuSerGln 485
QY 62 CGCTCCATCCAGCTTGAGAGTAAGGGATTAAACCTCCAGAACAGCCAGTGGATGAATGGC 121

Db 486 LysSerLeuGlnLeuGluSerLysGlyLeuThrLeuAsnSerAsnAlaTrpMetAsnAsp 505
QY 122 ACAGTGTATCGTGACAGCACCGTGGGAAAGACACTTTGTTCTTATCCTGACGACACG 181
Db 506 ThrValIleIleAspSerThrValGlyLysAspThrPhePheLeuIleThrTrpAsnSer 525
QY 182 CAGCTCCCAATCCTTCTCTGGATCCAGTGA 217
Db 526 LeuProProSerIleSerLeuTrpAspProSerGly 537

RESULT 5

US-09-193-562D-46
; Sequence 46, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 46
; LENGTH: 903
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Calcium sensitive chloride channel from bovine tracheal
; OTHER INFORMATION: epithelium (Cunningham et al., 1995, J. Biol Chem., 270:31016-
US-09-193-562D-46

Alignment Scores:
Pred. No.: 2.68e-20 Length: 903
Score: 222.00 Matches: 39
Percent Similarity: 77.46% Conservative: 16
Best Local Similarity: 54.93% Mismatches: 16
Query Match: 53.11% Indels: 0
DB: 4 Gaps: 0

US-09-049-696-9 (1-218) x US-09-193-562D-46 (1-903)

QY 5 AATGGCTCATTCATGCTTTTGGGCCCTTTCATCAGGAATGAGCTGTCTCTCAGCGC 64
Db 467 AsnGlyLeuThrAsnAlaPheSerArgIleSerSerArgSerGlySerIleThrGlnGln 486
QY 65 TCCATCCAGCTTGAGAGTAAGGGATTAAACCTCCAGAACAGCCAGTGGATGAATGGCACA 124
Db 487 ThrIleGlnLeuGluSerLysAlaLeuAlaIleThrGluLysLysTrpValAsnGlyThr 506
QY 125 GTGATCGTGACAGCACCGTGGGAAAGACACTTTGTTCTTATCCTGACGACGAG 184
Db 507 ValProValAspSerThrIleGlyAsnAspThrPhePheValThrTrpThrIleLys 526
QY 185 CCTCCCAATCCTTCTCTGGATCCAGTGA 217
Db 527 LysProGluIleLeuLeuGlnAspProLysGly 537

RESULT 6

US-09-623-624-18
; Sequence 18, Application US/09623624
; Patent No. 6576434
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/09/623,624
; CURRENT FILING DATE: 2000-09-06


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Alignment Scores:
Pred. No.: 1.05e-17 Length: 821
Score: 202.00 Matches: 38
Percent Similarity: 75.71% Conservative: 15
Best Local Similarity: 54.29% Mismatches: 17
Query Match: 48.33% Indels: 0
DB: 4 Gaps: 0

US-09-049-696-9 (1-218) x US-09-193-562D-12 (1-821)
QY 8 GGCCTCATTTGCTTTTGGGGCCCTTTTCATCAGGAAATGGAGCTGTCTCTCAGCGCTCC 67
Db 469 GlyLeuThrAsnAlaPheSerArgIleSerSerArgSerGlySerIleThrGlnGlnAla 488
QY 68 ATCCAGCTTGAGAGTAAGGATTAACCTCCAGAACAGCCAGTGGATGAATGGCAGAGTG 127
Db 489 IleGlnLeuGluSerLysAlaLeuLysIleThrGlyArgLysArgValAsnGlyThrVal 508
QY 128 ATCTGGGACAGCACCGTCGGGAAAGACACTTTGTTTCTATCCTCGACAAAGCAGCCT 187
Db 509 ProValAspSerThrValGlyAsnAspThrPhePheValValThrTrpThrIleGlnLys 528
QY 188 CCCCAAATCCTTCTCTGGGATCCCAGTGGA 217
Db 529 ProGluIleValLeuGlnAspProLysGly 538

RESULT 11
US-09-193-562D-2
; Sequence 2, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedict U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; CURRENT FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 2
; LENGTH: 905
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Lu-ECAM-1 precursor from bovine endothelial cells
US-09-193-562D-2

Alignment Scores:
Pred. No.: 1.08e-17 Length: 905
Score: 202.00 Matches: 38
Percent Similarity: 75.71% Conservative: 15
Best Local Similarity: 54.29% Mismatches: 17
Query Match: 48.33% Indels: 0
DB: 4 Gaps: 0

US-09-049-696-9 (1-218) x US-09-193-562D-2 (1-905)
QY 8 GGCCTCATTTGCTTTTGGGGCCCTTTTCATCAGGAAATGGAGCTGTCTCTCAGCGCTCC 67
Db 469 GlyLeuThrAsnAlaPheSerArgIleSerSerArgSerGlySerIleThrGlnGlnAla 488
QY 68 ATCCAGCTTGAGAGTAAGGATTAACCTCCAGAACAGCCAGTGGATGAATGGCAGAGTG 127
Db 489 IleGlnLeuGluSerLysAlaLeuLysIleThrGlyArgLysArgValAsnGlyThrVal 508
QY 128 ATCTGGGACAGCACCGTCGGGAAAGACACTTTGTTTCTATCCTCGACAAAGCAGCCT 187
Db 509 ProValAspSerThrValGlyAsnAspThrPhePheValValThrTrpThrIleGlnLys 528
QY 188 CCCCAAATCCTTCTCTGGGATCCCAGTGGA 217

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Db 529 ProGluileValleuGlnAspProlyGly 538
RESULT 12
US-09-643-597-169
; Sequence 169, Application US/09643597
; Patent No. 6426072
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Kalos, Michael D. S.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy
; APPLICANT: Fanger, Gary R.
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Henderson, Robert A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.455C11
; CURRENT APPLICATION NUMBER: US/09/643,597
; CURRENT FILING DATE: 2000-08-21
; NUMBER OF SEQ ID NOS: 369
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 169
; LENGTH: 592
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-643-597-169

Alignment Scores:
Pred. No.: 7,36e-16 Length: 592
Score: 187.50 Matches: 36
Percent Similarity: 69.86% Conservative: 15
Best Local Similarity: 49.32% Mismatches: 21
Query Match: 44.86% Indels: 1
DB: 4 Gaps: 1

US-09-049-696-9 (1-218) x US-09-643-597-169 (1-592)
QY 2 AACATGGCCTCATTCATGCTTTTGGGGCCCTTTCATCAGGAATGGAGCTGTCTCTCAG 61
Db 473 SerAsnSerMetIleAspAlaPheSerArgIleSerSerGlyThrGlyAspIlePheGln 492
QY 62 CGCTCCATCCAGCTTGAGAGTAAGGATTAAACCTCCAGAACAGCCAGTGGATGAATGCG 121
Db 493 GlnHisIleGlnLeuGluSerThrGlyGluAsnValLysProHisGlnLeuLysAsn 512
QY 122 ACAGTGATCGTGACAGCACCGTGGGAAAGGACACTTTGTTTCTTATCACCTGG---ACA 178
Db 513 ThrValThrValAspAsnThrValGlyAsnAspThrMetPheLeuValThrTrpGlnAla 532
QY 179 AGCAGCCTCCCAATCTTCTCTGGGATCCAGTGGA 217
Db 533 SerGlyProGluIleIleLeuPheAspProAspGly 545

RESULT 13
US-09-480-884A-169
; Sequence 169, Application US/09480884A
; Patent No. 6482597
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Hosken, Nancy A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY
; FILE REFERENCE: 210121.455C6
; CURRENT APPLICATION NUMBER: US/09/480,884A
; CURRENT FILING DATE: 2001-08-27
; NUMBER OF SEQ ID NOS: 330
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; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 169
; LENGTH: 592
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-480-884A-169

Alignment Scores:
Pred. No.: 7,36e-16 Length: 592
Score: 187.50 Matches: 36
Percent Similarity: 69.86% Conservative: 15
Best Local Similarity: 49.32% Mismatches: 21
Query Match: 44.86% Indels: 1
DB: 4 Gaps: 1

US-09-049-696-9 (1-218) x US-09-480-884A-169 (1-592)
QY 2 AACATGGCCTCATTCATGCTTTTGGGGCCCTTTCATCAGGAATGGAGCTGTCTCTCAG 61
Db 473 SerAsnSerMetIleAspAlaPheSerArgIleSerSerGlyThrGlyAspIlePheGln 492
QY 62 CGCTCCATCCAGCTTGAGAGTAAGGATTAAACCTCCAGAACAGCCAGTGGATGAATGCG 121
Db 493 GlnHisIleGlnLeuGluSerThrGlyGluAsnValLysProHisGlnLeuLysAsn 512
QY 122 ACAGTGATCGTGACAGCACCGTGGGAAAGGACACTTTGTTTCTTATCACCTGG---ACA 178
Db 513 ThrValThrValAspAsnThrValGlyAsnAspThrMetPheLeuValThrTrpGlnAla 532
QY 179 AGCAGCCTCCCAATCTTCTCTGGGATCCAGTGGA 217
Db 533 SerGlyProGluIleIleLeuPheAspProAspGly 545

RESULT 14
US-09-542-615A-169
; Sequence 169, Application US/09542615A
; Patent No. 6518256
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy A.
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY
; FILE REFERENCE: 210121.455C8
; CURRENT APPLICATION NUMBER: US/09/542,615A
; CURRENT FILING DATE: 2000-04-14
; NUMBER OF SEQ ID NOS: 350
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 169
; LENGTH: 592
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-542-615A-169

Alignment Scores:
Pred. No.: 7,36e-16 Length: 592
Score: 187.50 Matches: 36
Percent Similarity: 69.86% Conservative: 15
Best Local Similarity: 49.32% Mismatches: 21
Query Match: 44.86% Indels: 1
DB: 4 Gaps: 1

US-09-049-696-9 (1-218) x US-09-542-615A-169 (1-592)
QY 2 AACATGGCCTCATTCATGCTTTTGGGGCCCTTTCATCAGGAATGGAGCTGTCTCTCAG 61
Db 473 SerAsnSerMetIleAspAlaPheSerArgIleSerSerGlyThrGlyAspIlePheGln 492
QY 62 CGCTCCATCCAGCTTGAGAGTAAGGATTAAACCTCCAGAACAGCCAGTGGATGAATGCG 121
Db 493 GlnHisIleGlnLeuGluSerThrGlyGluAsnValLysProHisGlnLeuLysAsn 512
QY 122 ACAGTGATCGTGACAGCACCGTGGGAAAGGACACTTTGTTTCTTATCACCTGG---ACA 178
Db 513 ThrValThrValAspAsnThrValGlyAsnAspThrMetPheLeuValThrTrpGlnAla 532
QY 179 AGCAGCCTCCCAATCTTCTCTGGGATCCAGTGGA 217
Db 533 SerGlyProGluIleIleLeuPheAspProAspGly 545
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OM nucleic - nucleic search, using sw model

Run on: April 24, 2004, 04:05:52 ; Search time 135.395 Seconds
(without alignments)
8424.829 Million cell updates/sec

Title: US-09-049-696-8

Perfect score: 253

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Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

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- 3: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq.*
- 4: /cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq.*
- 5: /cgn2_6/ptodata/2/pubpna/US07_NEW_PUB.seq.*
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- 15: /cgn2_6/ptodata/2/pubpna/US10B_PUBCOMB.seq.*
- 16: /cgn2_6/ptodata/2/pubpna/US10C_PUBCOMB.seq.*
- 17: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq.*
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- 19: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	253	100.0	2745	15	US-10-270-595-5
3	253	100.0	2854	15	US-10-106-698-1971
4	253	100.0	2867	15	US-10-106-698-351
5	253	100.0	3007	15	US-10-055-412B-27
6	253	100.0	3109	15	US-10-106-698-2111
7	253	100.0	3111	9	US-09-823-356-25
8	253	100.0	3111	9	US-09-981-353-191
9	253	100.0	3111	15	US-10-235-994-25
10	253	100.0	3267	9	US-09-764-868-22
11	253	100.0	3311	9	US-09-922-217-1056
12	253	100.0	3311	9	US-09-833-263-1056
13	253	100.0	3311	14	US-10-025-380-1056
14	253	100.0	3311	15	US-10-393-590-11

15	253	100.0	3311	15	US-10-393-590-12	Sequence 12, Appl
16	253	100.0	3311	15	US-10-393-590-46	Sequence 46, Appl
17	253	100.0	3311	15	US-10-393-590-47	Sequence 47, Appl
18	253	100.0	3311	15	US-10-393-567-11	Sequence 11, Appl
19	253	100.0	3311	15	US-10-393-567-12	Sequence 12, Appl
20	253	100.0	3311	15	US-10-393-567-46	Sequence 46, Appl
21	253	100.0	3311	15	US-10-393-567-47	Sequence 47, Appl
22	253	100.0	3311	15	US-10-394-087-11	Sequence 11, Appl
23	253	100.0	3311	15	US-10-394-087-12	Sequence 12, Appl
24	253	100.0	3311	15	US-10-394-087-46	Sequence 46, Appl
25	253	100.0	3311	15	US-10-394-087-47	Sequence 47, Appl
26	253	100.0	4569	10	US-09-867-034-3	Sequence 3, Appl
27	253	100.0	4569	13	US-10-276-115-3	Sequence 3, Appl
28	223.8	88.5	527	15	US-10-066-543-2111	Sequence 2111, Ap
29	183	72.3	544	15	US-10-066-543-2349	Sequence 2349, Ap
30	174.6	69.0	2931	15	US-10-270-595-1	Sequence 1, Appl
31	136.2	53.8	2754	15	US-10-345-680-33	Sequence 33, Appl
32	136.2	53.8	3043	14	US-10-025-167-16	Sequence 16, Appl
33	136.2	53.8	3169	9	US-09-981-353-53	Sequence 53, Appl
34	136.2	53.8	3169	15	US-10-235-994-15	Sequence 15, Appl
35	136.2	53.8	3181	14	US-10-025-167-18	Sequence 18, Appl
36	136.2	53.8	3195	10	US-09-867-034-22	Sequence 22, Appl
37	136.2	53.8	3195	13	US-10-276-115-22	Sequence 22, Appl
38	136.2	53.8	3196	15	US-10-158-646-39	Sequence 39, Appl
39	136.2	53.8	3199	13	US-10-276-774-993	Sequence 993, App
40	136.2	53.8	3204	15	US-10-345-680-31	Sequence 31, Appl
41	136.2	53.8	3207	15	US-10-101-510-660	Sequence 660, App
42	136.2	53.8	3218	16	US-10-087-080-33	Sequence 33, Appl
43	136.2	53.8	3265	9	US-09-989-723-378	Sequence 378, App
44	136.2	53.8	3265	9	US-09-989-723-378	Sequence 378, App
45	136.2	53.8	3265	9	US-09-989-723-378	Sequence 378, App

ALIGNMENTS

RESULT 1
US-10-305-720-850
; Sequence 850, Application US/10305720
; Publication No. US20040010136A1
; GENERAL INFORMATION:
; APPLICANT: Au-Young, Janice K.; Seilhamer, Jeffrey J.
; TITLE OF INVENTION: Composition for the Detection of Signaling Pathway Gene Expression
; FILE REFERENCE: PA-0002-1 CON
; CURRENT APPLICATION NUMBER: US/10/305,720
; CURRENT FILING DATE: 2002-11-26
; PRIOR APPLICATION NUMBER: 09/016,434
; PRIOR FILING DATE: 1998-01-30
; NUMBER OF SEQ ID NOS: 1490
; SOFTWARE: PERL Program
; SEQ ID NO 850
; LENGTH: 1512
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20040010136A1 608819
US-10-305-720-850

Query Match	100.0%;	Score	253;	DB	16;	Length	1512;
Best Local Similarity	100.0%;	Pred. No.	5.64-79;				
Matches	253;	Conservative	0;	Mismatches	0;	Indels	0;
Gaps	0;						
Qy	1	AACAAAGTGGTCCCATCATC	CACACAGTCGGCTTTGGGGCCCTCTCGAGCTCAAGAACTAG	60			
Db	1	AACAAAGTGGTCCCATCATC	CACACAGTCGGCTTTGGGGCCCTCTCGAGCTCAAGAACTAG	60			
Qy	61	AGGAGCTGTCCAAAATGACAGAGGTTTACACATATGCTTTCAGATCAAGTTCAAGAA	120				
Db	61	AGGAGCTGTCCAAAATGACAGAGGTTTACACATATGCTTTCAGATCAAGTTCAAGAA	120				
Qy	121	ATGGCCTCATTTGATGCTTTTGGGGCCCTTTCATCAGGAAATGGAGCTGTCTCTCAGCGCT	180				
Db	121	ATGGCCTCATTTGATGCTTTTGGGGCCCTTTCATCAGGAAATGGAGCTGTCTCTCAGCGCT	180				

Db 121 ATGGCCTCATTGATGCTTTTGGGGCCCTTTTCATCAGGAATGGAGCTGTCTCTCAGCGCT 180
QY 181 CCATCCAGCTTCAGAGTAAGGATTAACCTCCAGACAGCCAGTGGATGAATGCCACAG 240
Db 181 CCATCCAGCTTCAGAGTAAGGATTAACCTCCAGACAGCCAGTGGATGAATGCCACAG 240
QY 241 TGATCGTGGACAG 253
Db 241 TGATCGTGGACAG 253

RESULT 2

US-10-270-595-5
; Sequence 5, Application US/10270595
; Publication No. US20030078409A1
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/10/270,595
; CURRENT FILING DATE: 2002-10-16
; PRIOR APPLICATION NUMBER: US/09/623,624
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,472
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; PRIOR FILING DATE: 1996-08-23
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 2745
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(2742)
US-10-270-595-5

Query Match 100.0%; Score 253; DB 15; Length 2745;
Best Local Similarity 100.0%; Pred. No. 7.5e-79;
Matches 253; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AACAAAGTGGTGCCATCATCCACACAGTCGCTTTGGGGCCCTCTGCAGCTCAAGAACTAG 60
Db 1277 AACAAAGTGGTGCCATCATCCACAGTCGCTTTGGGGCCCTCTGCAGCTCAAGAACTAG 1336
QY 61 AGGAGCTGTCCAAAATGACAGAGGTTTACAGACATATGCTTCAGATCAAGTTCAGAA 120
Db 1337 AGGAGCTGTCCAAAATGACAGAGGTTTACAGACATATGCTTCAGATCAAGTTCAGAA 1396
QY 121 ATGGCCTCATTGATGCTTTTGGGGCCCTTTTCATCAGGAATGGAGCTGTCTCTCAGCGCT 180
Db 1397 ATGGCCTCATTGATGCTTTTGGGGCCCTTTTCATCAGGAATGGAGCTGTCTCTCAGCGCT 1456
QY 181 CCATCCAGCTTCAGAGTAAGGATTAACCTCCAGACAGCCAGTGGATGAATGCCACAG 240

Db 1457 CCATCCAGCTTCAGAGTAAGGATTAACCTCCAGACAGCCAGTGGATGAATGCCACAG 1516
QY 241 TGATCGTGGACAG 253
Db 1517 TGATCGTGGACAG 1529

RESULT 3

US-10-106-698-1971
; Sequence 1971, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptides
; FILE REFERENCE: PA005P1
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 1971
; LENGTH: 2854
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-106-698-1971

Query Match 100.0%; Score 253; DB 15; Length 2854;
Best Local Similarity 100.0%; Pred. No. 7.6e-79;
Matches 253; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AACAAAGTGGTGCCATCATCCACACAGTCGCTTTGGGGCCCTCTGCAGCTCAAGAACTAG 60
Db 1311 AACAAAGTGGTGCCATCATCCACAGTCGCTTTGGGGCCCTCTGCAGCTCAAGAACTAG 1370
QY 61 AGGAGCTGTCCAAAATGACAGAGGTTTACAGACATATGCTTCAGATCAAGTTCAGAA 120
Db 1371 AGGAGCTGTCCAAAATGACAGAGGTTTACAGACATATGCTTCAGATCAAGTTCAGAA 1430
QY 121 ATGGCCTCATTGATGCTTTTGGGGCCCTTTTCATCAGGAATGGAGCTGTCTCTCAGCGCT 180
Db 1431 ATGGCCTCATTGATGCTTTTGGGGCCCTTTTCATCAGGAATGGAGCTGTCTCTCAGCGCT 1490
QY 181 CCATCCAGCTTCAGAGTAAGGATTAACCTCCAGACAGCCAGTGGATGAATGCCACAG 240
Db 1491 CCATCCAGCTTCAGAGTAAGGATTAACCTCCAGACAGCCAGTGGATGAATGCCACAG 1550
QY 241 TGATCGTGGACAG 253
Db 1551 TGATCGTGGACAG 1563

RESULT 4

US-10-106-698-351
; Sequence 351, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptides
; FILE REFERENCE: PA005P1
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564

; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 351
; LENGTH: 2867
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-106-698-351

Query Match 100.0%; Score 253; DB 15; Length 2867;
Best Local Similarity 100.0%; Pred. No. 7.7e-79;
Matches 253; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AACAAAGTGGTCCCATCATCCACACAGTCGCTTTGGGGCCCTCTCGAGCTCAAGAACTAG 60
DB 1315 AACAAAGTGGTCCCATCATCCACACAGTCGCTTTGGGGCCCTCTCGAGCTCAAGAACTAG 1374

QY 61 AGGAGCTGTCCAAATGACAGGAGGTTTACAGACATATGCTTCAGATCAAGTTTCAGAAACA 120
DB 1375 AGGAGCTGTCCAAATGACAGGAGGTTTACAGACATATGCTTCAGATCAAGTTTCAGAAACA 1434

QY 121 ATGGCTCATTCATGCTTTTGGGGCCCTTTTCATCAGGAAATGGAGTGTCTCTCAGCGCT 180
DB 1435 ATGGCTCATTCATGCTTTTGGGGCCCTTTTCATCAGGAAATGGAGTGTCTCTCAGCGCT 1494

QY 181 CCATCCAGCTTCAGAGTAAGGATTAAACCTCCAGAACAGCCAGTGGATGAATGGCACAG 240
DB 1495 CCATCCAGCTTCAGAGTAAGGATTAAACCTCCAGAACAGCCAGTGGATGAATGGCACAG 1554

QY 241 TGATCGTGGACAG 253
DB 1555 TGATCGTGGACAG 1567

RESULT 5
US-10-055-412B-27
; Sequence 27, Application US/10055412B
; Publication No. US20030059861A1
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedict U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; FILE REFERENCE: 18617.0058
; CURRENT APPLICATION NUMBER: US/10/055,412B
; CURRENT FILING DATE: 2001-10-29
; PRIOR APPLICATION NUMBER: US/09/193,562
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 27
; LENGTH: 3007
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-055-412B-27

Query Match 100.0%; Score 253; DB 15; Length 3007;
Best Local Similarity 100.0%; Pred. No. 7.8e-79;
Matches 253; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AACAAAGTGGTCCCATCATCCACACAGTCGCTTTGGGGCCCTCTCGAGCTCAAGAACTAG 60
DB 1323 AACAAAGTGGTCCCATCATCCACACAGTCGCTTTGGGGCCCTCTCGAGCTCAAGAACTAG 1382

QY 61 AGGAGCTGTCCAAATGACAGGAGGTTTACAGACATATGCTTCAGATCAAGTTTCAGAAACA 120
DB 1383 AGGAGCTGTCCAAATGACAGGAGGTTTACAGACATATGCTTCAGATCAAGTTTCAGAAACA 1442

QY 121 ATGGCTCATTCATGCTTTTGGGGCCCTTTTCATCAGGAAATGGAGTGTCTCTCAGCGCT 180
DB 1443 ATGGCTCATTCATGCTTTTGGGGCCCTTTTCATCAGGAAATGGAGTGTCTCTCAGCGCT 1502

QY 181 CCATCCAGCTTCAGAGTAAGGATTAAACCTCCAGAACAGCCAGTGGATGAATGGCACAG 240
DB 1503 CCATCCAGCTTCAGAGTAAGGATTAAACCTCCAGAACAGCCAGTGGATGAATGGCACAG 1562

QY 241 TGATCGTGGACAG 253
DB 1563 TGATCGTGGACAG 1575

RESULT 6

US-10-106-698-2111
; Sequence 2111, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptides
; FILE REFERENCE: PA005PI
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 2111
; LENGTH: 3109
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-106-698-2111

Query Match 100.0%; Score 253; DB 15; Length 3109;
Best Local Similarity 100.0%; Pred. No. 8e-79;
Matches 253; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AACAAAGTGGTCCCATCATCCACACAGTCGCTTTGGGGCCCTCTCGAGCTCAAGAACTAG 60
DB 1164 AACAAAGTGGTCCCATCATCCACACAGTCGCTTTGGGGCCCTCTCGAGCTCAAGAACTAG 1223

QY 61 AGGAGCTGTCCAAATGACAGGAGGTTTACAGACATATGCTTCAGATCAAGTTTCAGAAACA 120
DB 1224 AGGAGCTGTCCAAATGACAGGAGGTTTACAGACATATGCTTCAGATCAAGTTTCAGAAACA 1283

QY 121 ATGGCTCATTCATGCTTTTGGGGCCCTTTTCATCAGGAAATGGAGTGTCTCTCAGCGCT 180
DB 1284 ATGGCTCATTCATGCTTTTGGGGCCCTTTTCATCAGGAAATGGAGTGTCTCTCAGCGCT 1343

QY 181 CCATCCAGCTTCAGAGTAAGGATTAAACCTCCAGAACAGCCAGTGGATGAATGGCACAG 240
DB 1344 CCATCCAGCTTCAGAGTAAGGATTAAACCTCCAGAACAGCCAGTGGATGAATGGCACAG 1403

QY 241 TGATCGTGGACAG 253
DB 1404 TGATCGTGGACAG 1416

RESULT 7

US-09-823-356-25
; Sequence 25, Application US/09823356
; Patent No. US20010025098A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Bandman, Olga
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Yue, Henry
; APPLICANT: Corley, Neil C.
; APPLICANT: Guegler, Karl J.
; APPLICANT: Kaser, Matthew R.
; APPLICANT: Baughn, Mariah R.
; APPLICANT: Shah, Purvi
; TITLE OF INVENTION: HUMAN MEMBRANE SPANNING PROTEINS
; FILE REFERENCE: PF-0489-1 CON
; CURRENT APPLICATION NUMBER: US/09/823,356

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; CURRENT FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/039,307
; PRIOR FILING DATE: 1998 March 13
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PERL Program
; SEQ ID NO 25
; LENGTH: 3111
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No. US20010025098A1 1737775
US-09-823-356-25

Query Match      100.0%; Score 253; DB 9; Length 3111;
Best Local Similarity 100.0%; Pred. No. 8e-79;
Matches 253; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AACAAAGTGGTGCCATCATCCACACAGTCGCTTTGGGGCCCTCTGCAGCTCAAGAACTAG 60
DB 1310 AACAAAGTGGTGCCATCATCCACACAGTCGCTTTGGGGCCCTCTGCAGCTCAAGAACTAG 1369

QY 61 AGGAGCTGTCGCAAAATGACAGAGGTTTACAGACATATGCTTCAGATCAAGTTCAAGAACA 120
DB 1370 AGGAGCTGTCGCAAAATGACAGAGGTTTACAGACATATGCTTCAGATCAAGTTCAAGAACA 1429

QY 121 ATGGCTCATTCATGCTTTGGGGCCCTTTTCATCAGGAATGGAGTGTCTCTCAGCGCT 180
DB 1430 ATGGCTCATTCATGCTTTGGGGCCCTTTTCATCAGGAATGGAGTGTCTCTCAGCGCT 1489

QY 181 CCATCCAGCTTTGAGAGTAAAGGATTAAACCTCCAGAACAGCCAGTGGATGAATGGCACAG 240
DB 1490 CCATCCAGCTTTGAGAGTAAAGGATTAAACCTCCAGAACAGCCAGTGGATGAATGGCACAG 1549

QY 241 TGATCGTGGACAG 253
DB 1550 TGATCGTGGACAG 1562

RESULT 8
US-09-981-353-191
; Sequence 191, Application US/09981353
; Patent No. US20020160382A1
; GENERAL INFORMATION:
; APPLICANT: Lasek, Amy W.
; APPLICANT: Jones, David A.
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0038 US
; CURRENT APPLICATION NUMBER: US/09/981,353
; CURRENT FILING DATE: 2001-10-11
; NUMBER OF SEQ ID NOS: 194
; SOFTWARE: PERL Program
; SEQ ID NO 191
; LENGTH: 3111
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No. US20020160382A1 1737775CBI
US-09-981-353-191

Query Match      100.0%; Score 253; DB 9; Length 3111;
Best Local Similarity 100.0%; Pred. No. 8e-79;
Matches 253; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AACAAAGTGGTGCCATCATCCACACAGTCGCTTTGGGGCCCTCTGCAGCTCAAGAACTAG 60
DB 1310 AACAAAGTGGTGCCATCATCCACACAGTCGCTTTGGGGCCCTCTGCAGCTCAAGAACTAG 1369

QY 61 AGGAGCTGTCGCAAAATGACAGAGGTTTACAGACATATGCTTCAGATCAAGTTCAAGAACA 120
DB 1370 AGGAGCTGTCGCAAAATGACAGAGGTTTACAGACATATGCTTCAGATCAAGTTCAAGAACA 1429

QY 121 ATGGCTCATTCATGCTTTGGGGCCCTTTTCATCAGGAATGGAGTGTCTCTCAGCGCT 180
DB 1430 ATGGCTCATTCATGCTTTGGGGCCCTTTTCATCAGGAATGGAGTGTCTCTCAGCGCT 1489

QY 181 CCATCCAGCTTTGAGAGTAAAGGATTAAACCTCCAGAACAGCCAGTGGATGAATGGCACAG 240
DB 1490 CCATCCAGCTTTGAGAGTAAAGGATTAAACCTCCAGAACAGCCAGTGGATGAATGGCACAG 1549

QY 241 TGATCGTGGACAG 253
DB 1550 TGATCGTGGACAG 1562

RESULT 9
US-10-235-994-25
; Sequence 25, Application US/10235994
; Publication No. US20030101002A1
; GENERAL INFORMATION:
; APPLICANT: Bartha, Gabor
; APPLICANT: Walker, Michael
; TITLE OF INVENTION: METHODS FOR ANALYZING GENE EXPRESSION PATTERNS
; FILE REFERENCE: ICYTP012
; CURRENT APPLICATION NUMBER: US/10/235,994
; CURRENT FILING DATE: 2002-09-04
; PRIOR APPLICATION NUMBER: US/10/003,608
; PRIOR FILING DATE: 2001-11-01
; PRIOR APPLICATION NUMBER: 60/245,081
; PRIOR FILING DATE: 2000-11-01
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 25
; LENGTH: 3111
; TYPE: DNA
; ORGANISM: Human
; US-10-235-994-25

Query Match      100.0%; Score 253; DB 15; Length 3111;
Best Local Similarity 100.0%; Pred. No. 8e-79;
Matches 253; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AACAAAGTGGTGCCATCATCCACACAGTCGCTTTGGGGCCCTCTGCAGCTCAAGAACTAG 60
DB 1310 AACAAAGTGGTGCCATCATCCACACAGTCGCTTTGGGGCCCTCTGCAGCTCAAGAACTAG 1369

QY 61 AGGAGCTGTCGCAAAATGACAGAGGTTTACAGACATATGCTTCAGATCAAGTTCAAGAACA 120
DB 1370 AGGAGCTGTCGCAAAATGACAGAGGTTTACAGACATATGCTTCAGATCAAGTTCAAGAACA 1429

QY 121 ATGGCTCATTCATGCTTTGGGGCCCTTTTCATCAGGAATGGAGTGTCTCTCAGCGCT 180
DB 1430 ATGGCTCATTCATGCTTTGGGGCCCTTTTCATCAGGAATGGAGTGTCTCTCAGCGCT 1489

QY 181 CCATCCAGCTTTGAGAGTAAAGGATTAAACCTCCAGAACAGCCAGTGGATGAATGGCACAG 240
DB 1490 CCATCCAGCTTTGAGAGTAAAGGATTAAACCTCCAGAACAGCCAGTGGATGAATGGCACAG 1549

QY 241 TGATCGTGGACAG 253
DB 1550 TGATCGTGGACAG 1562

RESULT 10
US-09-764-868-22
; Sequence 22, Application US/09764868
; Patent No. US20020168711A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PT232
; CURRENT APPLICATION NUMBER: US/09/764,868
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 1510
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; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 22
; LENGTH: 3267
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-868-22

Query Match      100.0%; Score 253; DB 9; Length 3267;
Best Local Similarity 100.0%; Pred. No. 8.2e-79;
Matches 253; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AACAAAGTGGTCCCATCATCCACACAGTGCCTTTGGGGCCCTCTGCAGCTCAAGAACTAG 60
DB 1311 AACAAAGTGGTCCCATCATCCACACAGTGCCTTTGGGGCCCTCTGCAGCTCAAGAACTAG 1370

QY 61 AGGAGCTGTCCAAATGACAGAGGTTTACAGACATATGCTTCAGATCAAGTTTCAGAAACA 120
DB 1371 AGGAGCTGTCCAAATGACAGAGGTTTACAGACATATGCTTCAGATCAAGTTTCAGAAACA 1430

QY 121 ATGGCTCATTCATGCTTTTGGGGCCCTTTTCATCAGGAAATGGAGTGTCTCTCAGCGCT 180
DB 1431 ATGGCTCATTCATGCTTTTGGGGCCCTTTTCATCAGGAAATGGAGTGTCTCTCAGCGCT 1490

QY 181 CCATCAGCTTCAGAGTAAGGATTAACCCCTCCAGAACAGCCAGTGGATGAATGGCACAG 240
DB 1491 CCATCAGCTTCAGAGTAAGGATTAACCCCTCCAGAACAGCCAGTGGATGAATGGCACAG 1550

QY 241 TCATCGTGGACAG 253
DB 1551 TCATCGTGGACAG 1563

RESULT 11
US-09-922-217-1056
; Sequence 1056, Application US/0992217
; Patent No. US20020076414A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secretist, Heather
; APPLICANT: Benson, Darin R.
; APPLICANT: Meagher, Madeleine Joy
; APPLICANT: Stolk, John A.
; APPLICANT: Wang, Tongtong
; APPLICANT: Jiang, Yugu
; APPLICANT: Smith, Carole Lynn
; APPLICANT: King, Gordon E.
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; FILE REFERENCE: 210121.471C13
; CURRENT APPLICATION NUMBER: US/09/922,217
; NUMBER OF SEQ ID NOS: 1124
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1056
; LENGTH: 3311
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-922-217-1056

Query Match      100.0%; Score 253; DB 9; Length 3311;
Best Local Similarity 100.0%; Pred. No. 8.2e-79;
Matches 253; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AACAAAGTGGTCCCATCATCCACACAGTGCCTTTGGGGCCCTCTGCAGCTCAAGAACTAG 60
DB 1628 AACAAAGTGGTCCCATCATCCACACAGTGCCTTTGGGGCCCTCTGCAGCTCAAGAACTAG 1687

QY 61 AGGAGCTGTCCAAATGACAGAGGTTTACAGACATATGCTTCAGATCAAGTTTCAGAAACA 120
DB 1688 AGGAGCTGTCCAAATGACAGAGGTTTACAGACATATGCTTCAGATCAAGTTTCAGAAACA 1747

QY 121 ATGGCTCATTCATGCTTTTGGGGCCCTTTTCATCAGGAAATGGAGTGTCTCTCAGCGCT 180
DB 1748 ATGGCTCATTCATGCTTTTGGGGCCCTTTTCATCAGGAAATGGAGTGTCTCTCAGCGCT 1807

QY 181 CCATCAGCTTCAGAGTAAGGATTAACCCCTCCAGAACAGCCAGTGGATGAATGGCACAG 240
DB 1808 CCATCAGCTTCAGAGTAAGGATTAACCCCTCCAGAACAGCCAGTGGATGAATGGCACAG 1867

QY 241 TCATCGTGGACAG 253
DB 1869 TCATCGTGGACAG 1880

RESULT 13
US-10-025-380-1056
; Sequence 1056, Application US/10025380
; Publication No. US20020182191A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secretist, Heather
; APPLICANT: Benson, Darin R.
; APPLICANT: Meagher, Madeleine Joy
; APPLICANT: Stolk, John A.
; APPLICANT: Wang, Tongtong

QY 1 AACAAAGTGGTCCCATCATCCACACAGTGCCTTTGGGGCCCTCTGCAGCTCAAGAACTAG 60
DB 1628 AACAAAGTGGTCCCATCATCCACACAGTGCCTTTGGGGCCCTCTGCAGCTCAAGAACTAG 1687

QY 61 AGGAGCTGTCCAAATGACAGAGGTTTACAGACATATGCTTCAGATCAAGTTTCAGAAACA 120
DB 1688 AGGAGCTGTCCAAATGACAGAGGTTTACAGACATATGCTTCAGATCAAGTTTCAGAAACA 1747
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; APPLICANT: Jiang, Yugu
; APPLICANT: Smith, Carole L.
; APPLICANT: King, Gordon E.
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; APPLICANT: Skeiky, Yasir A. W.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Vedvick Thomas S.
; APPLICANT: Carter, Darrick
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; TITLE OF INVENTION: OF COLON CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.471C14
; CURRENT APPLICATION NUMBER: US/10/025,380
; CURRENT FILING DATE: 2001-12-19
; NUMBER OF SEQ ID NOS: 1129
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1056
; LENGTH: 3311
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-025-380-1056

Query Match      100.0%; Score 253; DB 14; Length 3311;
Best Local Similarity 100.0%; Pred. No. 8.2e-79;
Matches 253; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AACAAAGTGGTGCCCATCCACACAGTCGCTTTGGGGCCCTCTCGAGCTCAAGAACTAG 60
DB 1628 AACAAAGTGGTGCCCATCCACACAGTCGCTTTGGGGCCCTCTCGAGCTCAAGAACTAG 1687

QY 61 AGGAGCTGTCCAAAATGACAGGAGTTTACAGACATATGCTTTCAGATCAAGTTCAAGAAC 120
DB 1688 AGGAGCTGTCCAAAATGACAGGAGTTTACAGACATATGCTTTCAGATCAAGTTCAAGAAC 1747

QY 121 ATGGCCTCATTGATGCTTTTGGGGCCCTTTTCATCAGGAAATGGAGCTGTCTCTCAGCGCT 180
DB 1748 ATGGCCTCATTGATGCTTTTGGGGCCCTTTTCATCAGGAAATGGAGCTGTCTCTCAGCGCT 1807

QY 181 CCATCCAGCTTGAGAGTAAGGATTAACCTCCAGAACAGCCAGTGGATGAATGGCACAG 240
DB 1808 CCATCCAGCTTGAGAGTAAGGATTAACCTCCAGAACAGCCAGTGGATGAATGGCACAG 1867

QY 241 TGATCGTGGACAG 253
DB 1868 TGATCGTGGACAG 1880

RESULT 15
US-10-393-590-12
; Sequence 12, Application US/10393590
; Publication No. US20030190656A1
; GENERAL INFORMATION:
; APPLICANT: WANG, YIXIN
; TITLE OF INVENTION: BREAST CANCER PROGNASTIC PORTFOLIO
; FILE REFERENCE: CDS 268 US NP
; CURRENT APPLICATION NUMBER: US/10/393,590
; CURRENT FILING DATE: 2003-03-21
; PRIOR APPLICATION NUMBER: 60/368,789
; PRIOR FILING DATE: 2002-03-29
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 12
; LENGTH: 3311
; TYPE: DNA
; ORGANISM: human
US-10-393-590-12

Query Match      100.0%; Score 253; DB 15; Length 3311;
Best Local Similarity 100.0%; Pred. No. 8.2e-79;
Matches 253; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AACAAAGTGGTGCCCATCCACACAGTCGCTTTGGGGCCCTCTCGAGCTCAAGAACTAG 60
DB 1628 AACAAAGTGGTGCCCATCCACACAGTCGCTTTGGGGCCCTCTCGAGCTCAAGAACTAG 1687

QY 61 AGGAGCTGTCCAAAATGACAGGAGTTTACAGACATATGCTTTCAGATCAAGTTCAAGAAC 120
DB 1688 AGGAGCTGTCCAAAATGACAGGAGTTTACAGACATATGCTTTCAGATCAAGTTCAAGAAC 1747

QY 121 ATGGCCTCATTGATGCTTTTGGGGCCCTTTTCATCAGGAAATGGAGCTGTCTCTCAGCGCT 180
DB 1748 ATGGCCTCATTGATGCTTTTGGGGCCCTTTTCATCAGGAAATGGAGCTGTCTCTCAGCGCT 1807

QY 181 CCATCCAGCTTGAGAGTAAGGATTAACCTCCAGAACAGCCAGTGGATGAATGGCACAG 240
DB 1808 CCATCCAGCTTGAGAGTAAGGATTAACCTCCAGAACAGCCAGTGGATGAATGGCACAG 1867

QY 241 TGATCGTGGACAG 253
DB 1868 TGATCGTGGACAG 1880

Search completed: April 24, 2004, 06:38:12
Job time : 136.395 secs
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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: April 24, 2004, 00:33:00 ; Search time 23.2558 Seconds
(without alignments)
6037.311 Million cell updates/sec

Title: US-09-049-696-8

Perfect score: 253

Sequence: 1 AACAAAGTGTGCCATCATC.....GGCACAGTATCGTGGACAG 253

Scoring table: IDENTITY NUC

Gapop 10_0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA:*

1: /cgn2_6/prodata/2/ina/5A COMB.seq:*

2: /cgn2_6/prodata/2/ina/5B COMB.seq:*

3: /cgn2_6/prodata/2/ina/6A COMB.seq:*

4: /cgn2_6/prodata/2/ina/6B COMB.seq:*

5: /cgn2_6/prodata/2/ina/PCUS COMB.seq:*

6: /cgn2_6/prodata/2/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	253	100.0	1512	4	US-09-016-434-850
2	253	100.0	2745	4	US-09-623-624-5
3	253	100.0	3007	4	US-09-193-562D-27
4	174.6	69.0	2931	4	US-09-623-624-1
5	136.2	53.8	3043	4	US-09-049-698-16
6	136.2	53.8	3181	4	US-09-049-698-18
7	93.4	36.9	590	4	US-09-643-597-132
8	93.4	36.9	590	4	US-09-480-884A-132
9	93.4	36.9	590	4	US-09-542-615A-132
10	93.4	36.9	590	4	US-09-606-421B-132
11	93.4	36.9	590	4	US-09-221-107-132
12	93.4	36.9	2773	4	US-09-643-597-358
13	93.4	36.9	2784	4	US-09-643-597-168
14	93.4	36.9	2784	4	US-09-480-884A-168
15	93.4	36.9	2784	4	US-09-542-615A-168
16	93.4	36.9	2784	4	US-09-606-421B-168
17	93.4	36.9	2970	4	US-09-193-562D-31
18	93.4	36.9	3156	4	US-09-919-172-86
19	93.4	36.9	3190	4	US-09-623-624-3
20	93.4	36.9	3362	4	US-09-643-597-167
21	93.4	36.9	3362	4	US-09-480-884A-167
22	93.4	36.9	3362	4	US-09-542-615A-167
23	93.4	36.9	3362	4	US-09-606-421B-167
24	93.4	36.9	3951	4	US-09-643-597-160
25	93.4	36.9	3951	4	US-09-480-884A-160
26	93.4	36.9	3951	4	US-09-542-615A-160
27	93.4	36.9	3951	4	US-09-606-421B-160

28 93.4 36.9 3951 4 US-09-221-107-160 Sequence 160, App

29 93.4 36.9 8031 4 US-09-643-597-254 Sequence 254, App

30 93.4 36.9 8031 4 US-09-480-884A-254 Sequence 254, App

31 93.4 36.9 8031 4 US-09-542-615A-254 Sequence 254, App

32 93.4 36.9 8031 4 US-09-606-421B-254 Sequence 254, App

33 87 34.4 3317 4 US-09-193-562D-1 Sequence 1, Appli

34 78.8 31.1 3022 4 US-09-193-562D-33 Sequence 33, Appl

35 57.4 22.7 3418 4 US-09-193-562D-29 Sequence 29, Appl

36 39.2 15.5 216 4 US-09-049-698-5 Sequence 5, Appli

37 39.2 15.5 619 4 US-09-016-434-931 Sequence 931, App

38 31.8 12.6 2590 4 US-09-620-312D-67 Sequence 67, Appl

39 31.2 12.3 387 4 US-09-216-393B-61 Sequence 61, Appl

40 30.8 12.2 417 4 US-09-216-393B-63 Sequence 63, Appl

41 30.6 12.1 430 4 US-09-621-976-16656 Sequence 16656, A

42 30.4 12.0 399 4 US-09-621-976-8976 Sequence 8976, Ap

43 30.2 11.9 128779 4 US-09-497-855A-38 Sequence 38, Appl

44 30 11.9 1548 4 US-09-328-352-3186 Sequence 3186, Ap

45 29.6 11.7 431 4 US-09-833-381-790 Sequence 790, App

ALIGNMENTS

RESULT 1

US-09-016-434-850
; Sequence 850, Application US/09016434
; Patent No. 6500938
; GENERAL INFORMATION:
; APPLICANT: Janice Au-Young
; APPLICANT: Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING
; TITLE OF INVENTION: PATHWAY GENE EXPRESSION
; NUMBER OF SEQUENCES: 1490
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/016,434
; FILING DATE: HEREWITH
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Zeller, Karen J.
; REGISTRATION NUMBER: 37,071
; REFERENCE/DOCKET NUMBER: PA-0002 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; INFORMATION FOR SEQ ID NO: 850:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1512 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: COLNNOT01
; CLONE: 608819
; US-09-016-434-850

Query Match 100.0%; Score 253; DB 4; Length 1512;
Best Local Similarity 100.0%; Pred. No. 8.3e-80;

Matches 253; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AACAAAGTGGTCCCATCATCCACAGTCGCTTTGGGGCCCTCTCGAGCTCAAGAACTAG 60
DB 1 AACAAAGTGGTCCCATCATCCACAGTCGCTTTGGGGCCCTCTCGAGCTCAAGAACTAG 60
QY 61 AGGAGCTGTCCAAATGACAGGAGGTTTACAGACATATGCTTCAGATCAAGTTTCAGAAACA 120
DB 61 AGGAGCTGTCCAAATGACAGGAGGTTTACAGACATATGCTTCAGATCAAGTTTCAGAAACA 120
QY 121 ATGGCCTCATTCATGCTTTTGGGGCCCTTTCATCAGGAAATGGAGCTGTCTCTCAGCGCT 180
DB 121 ATGGCCTCATTCATGCTTTTGGGGCCCTTTCATCAGGAAATGGAGCTGTCTCTCAGCGCT 180
QY 181 CCATCCAGCTTCAGAGTAAGGATTAACCTCCAGAACAGCCAGTGGATGAATGGCAGAC 240
DB 181 CCATCCAGCTTCAGAGTAAGGATTAACCTCCAGAACAGCCAGTGGATGAATGGCAGAC 240
QY 241 TGATCGTGGACAG 253
DB 241 TGATCGTGGACAG 253

RESULT 2

US-09-623-624-5
; Sequence 5, Application US/09623624
; Patent No. 6576434
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Acopic Allergies, Including Asthma and Related
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/09/623,624
; CURRENT FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,472
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,110
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,168
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/980,872
; PRIOR FILING DATE: 1997-12-01
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 2745
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(2742)
US-09-623-624-5

Query Match 100.0%; Score 253; DB 4; Length 2745;
Best Local Similarity 100.0%; Pred. No. 1.1e-79;
Matches 253; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AACAAAGTGGTCCCATCATCCACAGTCGCTTTGGGGCCCTCTCGAGCTCAAGAACTAG 60
DB 1277 AACAAAGTGGTCCCATCATCCACAGTCGCTTTGGGGCCCTCTCGAGCTCAAGAACTAG 1336
QY 61 AGGAGCTGTCCAAATGACAGGAGGTTTACAGACATATGCTTCAGATCAAGTTTCAGAAACA 120
DB 1337 AGGAGCTGTCCAAATGACAGGAGGTTTACAGACATATGCTTCAGATCAAGTTTCAGAAACA 1396
QY 121 ATGGCCTCATTCATGCTTTTGGGGCCCTTTCATCAGGAAATGGAGCTGTCTCTCAGCGCT 180
DB 1397 ATGGCCTCATTCATGCTTTTGGGGCCCTTTCATCAGGAAATGGAGCTGTCTCTCAGCGCT 1456
QY 181 CCATCCAGCTTCAGAGTAAGGATTAACCTCCAGAACAGCCAGTGGATGAATGGCAGAC 240
DB 1457 CCATCCAGCTTCAGAGTAAGGATTAACCTCCAGAACAGCCAGTGGATGAATGGCAGAC 240
QY 241 TGATCGTGGACAG 253
DB 1517 TGATCGTGGACAG 1529

RESULT 3

US-09-193-562D-27
; Sequence 27, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; CURRENT FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 27
; LENGTH: 3007
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-193-562D-27

Query Match 100.0%; Score 253; DB 4; Length 3007;
Best Local Similarity 100.0%; Pred. No. 1.2e-79;
Matches 253; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AACAAAGTGGTCCCATCATCCACAGTCGCTTTGGGGCCCTCTCGAGCTCAAGAACTAG 60
DB 1323 AACAAAGTGGTCCCATCATCCACAGTCGCTTTGGGGCCCTCTCGAGCTCAAGAACTAG 1382
QY 61 AGGAGCTGTCCAAATGACAGGAGGTTTACAGACATATGCTTCAGATCAAGTTTCAGAAACA 120
DB 1383 AGGAGCTGTCCAAATGACAGGAGGTTTACAGACATATGCTTCAGATCAAGTTTCAGAAACA 1442
QY 121 ATGGCCTCATTCATGCTTTTGGGGCCCTTTCATCAGGAAATGGAGCTGTCTCTCAGCGCT 180
DB 1443 ATGGCCTCATTCATGCTTTTGGGGCCCTTTCATCAGGAAATGGAGCTGTCTCTCAGCGCT 1502
QY 181 CCATCCAGCTTCAGAGTAAGGATTAACCTCCAGAACAGCCAGTGGATGAATGGCAGAC 240
DB 1503 CCATCCAGCTTCAGAGTAAGGATTAACCTCCAGAACAGCCAGTGGATGAATGGCAGAC 1562
QY 241 TGATCGTGGACAG 253
DB 1563 TGATCGTGGACAG 1575

RESULT 4

US-09-623-624-1
; Sequence 1, Application US/09623624
; Patent No. 6576434
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.

;; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
;; TITLE OF INVENTION: Asthmatic Allergies, Including Asthma and Related

;; FILE REFERENCE: 36870-5073-WO

;; CURRENT FILING DATE: 2000-09-06

;; PRIOR APPLICATION NUMBER: US/09/623,624

;; PRIOR FILING DATE: 1999-03-03

;; PRIOR APPLICATION NUMBER: US/08/697,360

;; PRIOR FILING DATE: 1996-08-23

;; PRIOR APPLICATION NUMBER: US/08/697,419

;; PRIOR FILING DATE: 1996-08-23

;; PRIOR APPLICATION NUMBER: US/08/697,440

;; PRIOR FILING DATE: 1996-08-23

;; PRIOR APPLICATION NUMBER: US/08/697,471

;; PRIOR FILING DATE: 1996-08-23

;; PRIOR APPLICATION NUMBER: US/08/697,471

;; PRIOR FILING DATE: 1996-08-23

;; PRIOR APPLICATION NUMBER: US/08/697,472

;; PRIOR FILING DATE: 1996-08-23

;; PRIOR APPLICATION NUMBER: US/08/697,473

;; PRIOR FILING DATE: 1996-08-23

;; PRIOR APPLICATION NUMBER: US/08/702,105

;; PRIOR FILING DATE: 1996-08-23

;; PRIOR APPLICATION NUMBER: US/08/702,110

;; PRIOR FILING DATE: 1996-08-23

;; PRIOR APPLICATION NUMBER: US/08/702,168

;; PRIOR FILING DATE: 1996-08-23

;; PRIOR APPLICATION NUMBER: US/08/980,872

;; PRIOR FILING DATE: 1997-12-01

;; NUMBER OF SEQ ID NOS: 18

;; SOFTWARE: Patent In Ver. 2.0

;; SEQ ID NO 1

;; TYPE: DNA

;; ORGANISM: Mus musculus

;; FEATURE:

;; NAME/KEY: CDS

;; LOCATION: (8)..(2746)

US-09-623-624-1

Query Match 69.0%; Score 174.6; DB 4; Length 2931;

Best Local Similarity 80.6%; Pred. No. 8.5e-52;

Matches 204; Conservative 0; Mismatches 49; Indels 0; Gaps 0;

QY 1 AACAAAGTGGTCCCATCATCCACAGTCGCTTTGGGGCCCTCTGCAGCTCAAGACTAG 60

DB 1287 ACAGAGCGGGGCCATCATCCATACAGTGGCCCTGGGACCGGCTGCGCTAAAGAGCTTG 1346

QY 61 AGGAGCTGTCCAAAATGACAGGAGGTTTACAGACATATCTTTCAGATCAAGTTTCAAGACA 120

DB 1347 AGCAGCTGTCCAAAATGACAGGAGGCTGCAGACATCTTTCGGATCAGTTTCAAGACA 1406

QY 121 ATGGGCTCATTCATGCTTTTGGGGCCCTTTTCATCAGGAAATGGAGTGTCTCTCAGCGCT 180

DB 1407 ATGGTCTTCTTCATGCTTTTCGAGCACTCTCTCAGGAAATGGGCGATCGCTCAGCACT 1466

QY 181 CCATCCAGCTTCAGATGAGGATTAAACCTCCAGACAGCCAGTGGATGAATGGCAGAG 240

DB 1467 CCATCCAGCTTCAGATGAGGATTAACTCCAGAAATGAATGAATGGCTCAG 1526

QY 241 TGATCGTGGACAG 253

DB 1527 TGATCGTGGACAG 1539

RESULT 5

US-09-049-698-16

Sequence 16, Application US/09049698

Patent No. 6368792

GENERAL INFORMATION:

APPLICANT: BILLING-MEDEL, PATRICIA A.

APPLICANT: COHEN, MAURICE

;; APPLICANT: COLPITTS, TRACEY L.

;; APPLICANT: FRIEDMAN, PAULA N.

;; APPLICANT: HAYDEN, MARK

;; APPLICANT: KLASS, MICHAEL R.

;; APPLICANT: ROBERTS-RAPP, LISA

;; APPLICANT: RUSSELL, JOHN C.

;; APPLICANT: STROUPE, STEPHEN D.

;; TITLE OF INVENTION: REAGENTS AND METHODS FOR THE

;; TITLE OF INVENTION: USEFUL FOR DETECTING DISEASES OF THE GASTROINTESTINAL

;; TITLE OF INVENTION: TRACT

;; NUMBER OF SEQUENCES: 51

;; CORRESPONDENCE ADDRESS:

;; ADDRESSEE: Abbott Laboratories

;; STREET: 100 Abbott Park Road

;; CITY: Abbott Park

;; STATE: IL

;; COUNTRY: USA

;; ZIP: 60064-3500

;; COMPUTER READABLE FORM:

;; MEDIUM TYPE: Diskette

;; COMPUTER: IBM Compatible

;; OPERATING SYSTEM: DOS

;; SOFTWARE: Fast-Seq for Windows Version 2.0

;; CURRENT APPLICATION DATA:

;; APPLICATION NUMBER: US/09/049,698

;; FILING DATE:

;; CLASSIFICATION:

;; PRIOR APPLICATION DATA:

;; APPLICATION NUMBER: 08/828,856

;; FILING DATE: 31-MAR-1997

;; ATTORNEY/AGENT INFORMATION:

;; NAME: Becker, Cheryl L.

;; REGISTRATION NUMBER: 35,441

;; REFERENCE/DOCKET NUMBER: 6068.US.P1

;; TELECOMMUNICATION INFORMATION:

;; TELEPHONE: 847/935-1729

;; TELEFAX: 847/938-2623

;; TELEX:

;; INFORMATION FOR SEQ ID NO: 16:

;; SEQUENCE CHARACTERISTICS:

;; LENGTH: 3043 base pairs

;; TYPE: nucleic acid

;; STRANDEDNESS: single

;; TOPOLOGY: linear

US-09-049-698-16

Query Match 53.8%; Score 136.2; DB 4; Length 3043;

Best Local Similarity 71.1%; Pred. No. 3.8e-38;

Matches 180; Conservative 0; Mismatches 73; Indels 0; Gaps 0;

QY 1 AACAAAGTGGTCCCATCATCCACAGTCGCTTTGGGGCCCTCTGCAGCTCAAGACTAG 60

DB 1293 AACAAAGTGGGGCCCATTTTCATTTTTCCTTTGGGAAGAGCTGCTGATGAAGCACTAA 1352

QY 61 AGGAGCTGTCCAAAATGACAGGAGGTTTACAGACATATCTTTCAGATCAAGTTTCAAGACA 120

DB 1353 TAGAGATGAGCAAGATAACAGGAGGAAGTCATTTTATTTTCAGATGAAGCTCAGAAC 1412

QY 121 ATGGGCTCATTCATGCTTTTGGGGCCCTTTTCATCAGGAAATGGAGTGTCTCTCAGCGCT 180

DB 1413 ATGGGCTCATTCATGCTTTTGGGGCTTTTACATCAGGAAATATCTGATCTCTCCAGAAGT 1472

QY 181 CCATCCAGCTTCAGATGAGGATTAAACCTCCAGAACAGCCAGTGGATGAATGGCAGAG 240

DB 1473 CCCTTCAGCTCGAAAGTAAGGATTAACACTGAATAGTAACTGCTGGATGAAGCACTG 1532

QY 241 TCATCGTGGACAG 253

DB 1533 TCATTAATTGATAG 1545

RESULT 6

US-09-049-698-18

; Sequence 18, Application US/09049698
; Patent No. 6368792
; GENERAL INFORMATION:
; APPLICANT: BILLING-MEDEL, PATRICIA A.
; APPLICANT: COHEN, MAURICE
; APPLICANT: COLPITTS, TRACEY L.
; APPLICANT: FRIEDMAN, PAULA N.
; APPLICANT: HAYDEN, MARK
; APPLICANT: KLASS, MICHAEL R.
; APPLICANT: ROBERTS-RAPP, LISA
; APPLICANT: RUSSELL, JOHN C.
; APPLICANT: STROUPE, STEPHEN D.
; TITLE OF INVENTION: REAGENTS AND METHODS FOR THE
; TITLE OF INVENTION: USEFUL FOR DETECTING DISEASES OF THE GASTROINTESTINAL
; TITLE OF INVENTION: TRACT
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Abbott Laboratories
; STREET: 100 Abbott Park Road
; CITY: Abbott Park
; STATE: IL
; COUNTRY: USA
; ZIP: 60064-3500
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/049,698
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/828,856
; FILING DATE: 31-MAR-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Becker, Cheryl L.
; REGISTRATION NUMBER: 35,441
; REFERENCE/DOCKET NUMBER: 6068.US.PI
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 847/935-1729
; TELEFAX: 847/938-2623
; TELEX:
; INFORMATION FOR SEQ ID NO: 18:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3181 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-09-049-698-18

Query Match 53.8%; Score 136.2; DB 4; Length 3181;
Best Local Similarity 71.1%; Pred. No. 3.9e-38;
Matches 180; Conservative 0; Mismatches 73; Indels 0; Gaps 0;

QY 1 AACAAAGTGTGCCATCATCCACAGAGCGCTTTGGGGCCCTCTCAGCTCAAGACTAG 60
DB 1304 AACAAAGTGGGCCCATTTGCTATTTTATGCTTTGGGAAGAGCTGCTGATGAAGCAGTAA 1363

QY 61 AGGAGCTGTCCAAAATGACAGGAGGTTTACAGACATATGCTTTCAGATCAAGTTCAAGAAC 120
DB 1364 TAGAGATGAGCAAGATAACAGGAGGAAGTCATTTTATGTTTCAGATGAAGCTCAGAAC 1423

QY 121 ATGGGCTCATTTGATGCTTTTGGGGCCCTTTATCAGGAAATGGAGCTGCTCTCAGCGCT 180
DB 1424 ATGGGCTCATTTGATGCTTTTGGGGCTTTTACATCAGGAAATACATGCTCTCCAGAAAT 1483

QY 181 CCATCCAGCTTCAGAGTAAGGATTAACCTCCAGACAGCCAGTGGATGAATGCGACAG 240
DB 1484 CCCTTCAGCTCGAAGTAGGGATTAACACTGATAGTAATGCTCGGTGATGACGACTG 1543

QY 241 TGATCGTGACAG 253
| | | | |

DB 1544 TCATAATTGATAG 1556

RESULT 7
US-09-643-597-132
; Sequence 132, Application US/09643597
; Patent No. 6426072
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy
; APPLICANT: Fanger, Gary R.
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Henderson, Robert A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.455C11
; CURRENT APPLICATION NUMBER: US/09/643,597
; CURRENT FILING DATE: 2000-08-21
; NUMBER OF SEQ ID NOS: 369
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 132
; LENGTH: 590
; TYPE: DNA
; ORGANISM: Homo sapien
; US-09-643-597-132

Query Match 36.9%; Score 93.4; DB 4; Length 590;
Best Local Similarity 61.1%; Pred. No. 2.5e-23;
Matches 151; Conservative 0; Mismatches 96; Indels 0; Gaps 0;

QY 6 AGTGTGCGCATCATCCACAGTGGCTTTTGGGGCCCTCTCAGCTCAAGAACTAGAGGAG 65
DB 91 AGTGTTCACAAATTCATCTCAATTCGCTGGGTTTCATCTGCAGCCCAAACTGGAGGA 150

QY 66 CTGTCCAAAATGACAGGAGGTTTACAGACATATGCTTCAGATCAAGTTTCAGAACAAATGCG 125
DB 151 TTATCAGCTCTTACAGGAGGTTTAAAGTTCTTTGTCAGATATATCAAACTCCCAATAGC 210

QY 126 CTCATTGATGCTTTTGGGGCCCTTTTCATCAGGAAATGAGCTGTCTCTCAGCGCTCCATC 185
DB 211 ATGATTGATGCTTTTTCAGTAGAATTTCTCTGGAACCTGGAGACATTTTCAGCAACATATT 270

QY 186 CAGCTTGAGAGTAAGGGATTAAACCTCCAGAACAGCCAGTGGATGAATGGCACAGTATC 245
DB 271 CAGTTGAAAGTACAGGTGAATAATGTCAAACTCACCATCAATTGAAAAACACAGTACT 330

QY 246 GTGGACA 252
DB 331 GTGGATA 337

RESULT 8
US-09-480-884A-132
; Sequence 132, Application US/09480884A
; Patent No. 6482597
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Hosken, Nancy A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.455C6
; CURRENT APPLICATION NUMBER: US/09/480,884A
; CURRENT FILING DATE: 2001-08-27
; NUMBER OF SEQ ID NOS: 330

```

; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 132
; LENGTH: 590
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-480-884A-132

Query Match      36.9%; Score 93.4; DB 4; Length 590;
Best Local Similarity 61.1%; Pred. No. 2.5e-23;
Matches 151; Conservative 0; Mismatches 96; Indels 0; Gaps 0;

QY 6 AGTGTGTCATCATCCACAGTCGCTTTGGGGCCCTCTGCAGCTCAAGAACTAGAGGAG 65
DB 91 AGTGGTTCAACAATTCACCTCCATTCGCCCTGGGTTTCATCTGCAGCCCAAACTGGAGGAA 150
QY 66 CTGTCCAAAATGACAGGAGTTTACAGACATATGCTTCAGATCAAGTTTCAGAAACAATGGC 125
DB 151 TTATCAGCTCTTACAGGAGTTTAAAGTCTTTGTTCCAGATATATCAAACTCCAAATAGC 210
QY 126 CTCATTGATGCTTTTGGGGCCCTTTTCATCAGGAAATGGAGCTGTCTCTCAGCGCTCCATC 185
DB 211 ATGATTGATGCTTTTCAGTAGAATTTCTCTGGAACCTGGAGACATTTTCCAGCAACATATT 270
QY 186 CAGCTTGAGAGTAAGGATTAAACCTCCAGAACAGCCAGTGGATGAATGGCAGAGTATC 245
DB 271 CAGCTTGAAGTACAGGTGGAATAATGTCAAACTCCATCAATTTGAAAACACAGTGACT 330
QY 246 GTGGACA 252
DB 331 GTGGATA 337

RESULT 9
US-09-542-615A-132
; Sequence 132, Application US/09542615A
; Patent No. 6518256
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy A.
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY
; FILE REFERENCE: 210121.455C8
; CURRENT APPLICATION NUMBER: US/09/542, 615A
; CURRENT FILING DATE: 2000-04-14
; NUMBER OF SEQ ID NOS: 350
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 132
; LENGTH: 590
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-542-615A-132

Query Match      36.9%; Score 93.4; DB 4; Length 590;
Best Local Similarity 61.1%; Pred. No. 2.5e-23;
Matches 151; Conservative 0; Mismatches 96; Indels 0; Gaps 0;

QY 6 AGTGTGTCATCATCCACAGTCGCTTTGGGGCCCTCTGCAGCTCAAGAACTAGAGGAG 65
DB 91 AGTGGTTCAACAATTCACCTCCATTCGCCCTGGGTTTCATCTGCAGCCCAAACTGGAGGAA 150
QY 66 CTGTCCAAAATGACAGGAGTTTACAGACATATGCTTCAGATCAAGTTTCAGAAACAATGGC 125
DB 151 TTATCAGCTCTTACAGGAGTTTAAAGTCTTTGTTCCAGATATATCAAACTCCAAATAGC 210
QY 126 CTCATTGATGCTTTTGGGGCCCTTTTCATCAGGAAATGGAGCTGTCTCTCAGCGCTCCATC 185
DB 211 ATGATTGATGCTTTTCAGTAGAATTTCTCTGGAACCTGGAGACATTTTCCAGCAACATATT 270
QY 186 CAGCTTGAGAGTAAGGATTAAACCTCCAGAACAGCCAGTGGATGAATGGCAGAGTATC 245

US-09-606-421B-132
; Sequence 132, Application US/09606421B
; Patent No. 6531315
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy
; APPLICANT: Fanger, Gary R.
; APPLICANT: Li, Samuel X.
; APPLICANT: Skeiky, Yasir A.W.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.455C9
; CURRENT APPLICATION NUMBER: US/09/606, 421B
; CURRENT FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 358
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 132
; LENGTH: 590
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-606-421B-132

Query Match      36.9%; Score 93.4; DB 4; Length 590;
Best Local Similarity 61.1%; Pred. No. 2.5e-23;
Matches 151; Conservative 0; Mismatches 96; Indels 0; Gaps 0;

QY 6 AGTGTGTCATCATCCACAGTCGCTTTGGGGCCCTCTGCAGCTCAAGAACTAGAGGAG 65
DB 91 AGTGGTTCAACAATTCACCTCCATTCGCCCTGGGTTTCATCTGCAGCCCAAACTGGAGGAA 150
QY 66 CTGTCCAAAATGACAGGAGTTTACAGACATATGCTTCAGATCAAGTTTCAGAAACAATGGC 125
DB 151 TTATCAGCTCTTACAGGAGTTTAAAGTCTTTGTTCCAGATATATCAAACTCCAAATAGC 210
QY 126 CTCATTGATGCTTTTGGGGCCCTTTTCATCAGGAAATGGAGCTGTCTCTCAGCGCTCCATC 185
DB 211 ATGATTGATGCTTTTCAGTAGAATTTCTCTGGAACCTGGAGACATTTTCCAGCAACATATT 270
QY 186 CAGCTTGAGAGTAAGGATTAAACCTCCAGAACAGCCAGTGGATGAATGGCAGAGTATC 245
DB 271 CAGCTTGAAGTACAGGTGGAATAATGTCAAACTCCATCAATTTGAAAACACAGTGACT 330
QY 246 GTGGACA 252
DB 331 GTGGATA 337

RESULT 11
US-09-221-107-132
; Sequence 132, Application US/09221107
; Patent No. 6660838
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY OF LUNG CANCER
; FILE REFERENCE: 210121.455C2
; CURRENT APPLICATION NUMBER: US/09/221, 107
; CURRENT FILING DATE: 1998-12-22
; NUMBER OF SEQ ID NOS: 161
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 132
```


APPLICANT: Kalos, Michael D.
APPLICANT: Fanger, Gary R.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY
FILE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C6
CURRENT APPLICATION NUMBER: US/09/480,884A
CURRENT FILING DATE: 2001-08-27
NUMBER OF SEQ ID NOS: 330
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 168
LENGTH: 2784
TYPE: DNA
ORGANISM: Homo sapien
US-09-480-884A-168

Query Match 36.9%; Score 93.4; DB 4; Length 2784;
Best Local Similarity 61.1%; Pred. No. 5.8e-23;
Matches 151; Conservative 0; Mismatches 96; Indels 0; Gaps 0;
QY 6 AGTGGTGCCATCATCCACACAGTCGCTTTGGGGCCCTCTGCAGCTCAAGAACTAGAGGAG 65
Db 1382 AGTGGTTCAACAATTCACATCCATTCGCTGGGTTTCATCTGCAGCCCAAAATCTGGAGGAA 1441
QY 66 CTGTCCAAATGACAGGAGTTTACAGACATATGCTTCAGATCAAGTTCAGAACATGGC 125
Db 1442 TTATCAGCTCTTACAGGAGGTTTAAAGTCTTTGTTCCAGATATATCAAACTCCAATAGC 1501
QY 126 CTCATTGATGCTTTTGGGGCCCTTTCATCAGGAATGGAGTGTCTCTCAGGGCTCCATC 185
Db 1502 ATGATTGATGCTTTTCAGTAGAATTTCTCTGNACTGGAGACATTTTCAGCAACATATT 1561
QY 186 CAGCTTGAGAGTAAGGANTTAACCTCCAGAACAGCCAGTGGATGAATGGCACAGTGATC 245
Db 1562 CAGCTTGAAGTACAGGTGAAATGTCAAACTCCACCATCAATTTGAAAAAACACAGTGACT 1621
QY 246 GTGGACA 252
Db 1622 GTGGATA 1628

RESULT 15
US-09-542-615A-168
Sequence 168, Application US/09542615A
Patent No. 6518256
GENERAL INFORMATION:
APPLICANT: Wang, Tongtong
APPLICANT: Fan, Liqun
APPLICANT: Kalos, Michael D.
APPLICANT: Bangur, Chaitanya S.
APPLICANT: Hosken, Nancy A.
APPLICANT: Fanger, Gary R.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY
FILE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C8
CURRENT APPLICATION NUMBER: US/09/542,615A
CURRENT FILING DATE: 2000-04-14
NUMBER OF SEQ ID NOS: 350
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 168
LENGTH: 2784
TYPE: DNA
ORGANISM: Homo sapien
US-09-542-615A-168

Query Match 36.9%; Score 93.4; DB 4; Length 2784;
Best Local Similarity 61.1%; Pred. No. 5.8e-23;
Matches 151; Conservative 0; Mismatches 96; Indels 0; Gaps 0;
QY 6 AGTGGTGCCATCATCCACACAGTCGCTTTGGGGCCCTCTGCAGCTCAAGAACTAGAGGAG 65
Db 1382 AGTGGTTCAACAATTCACATCCATTCGCTGGGTTTCATCTGCAGCCCAAAATCTGGAGGAA 1441
QY 66 CTGTCCAAATGACAGGAGGTTTACAGACATATGCTTCAGATCAAGTTCAGAACATGGC 125

Db 1442 TTATCAGCTCTTACAGGAGGTTTAAAGTCTTTGTTCCAGATATATCAAACTCCAATAGC 1501
QY 126 CTCATTGATGCTTTTGGGGCCCTTTCATCAGGAATGGAGTGTCTCTCAGGGCTCCATC 185
Db 1502 ATGATTGATGCTTTTCAGTAGAATTTCTCTGNACTGGAGACATTTTCAGCAACATATT 1561
QY 186 CAGCTTGAGAGTAAGGANTTAACCTCCAGAACAGCCAGTGGATGAATGGCACAGTGATC 245
Db 1562 CAGCTTGAAGTACAGGTGAAATGTCAAACTCCACCATCAATTTGAAAAAACACAGTGACT 1621
QY 246 GTGGACA 252
Db 1622 GTGGATA 1628

Search completed: April 24, 2004, 05:01:05
Job time : 24.2558 secs

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Alignment Scores:

Pred. No.: 9,28e-42 Length: 552
Score: 410.00 Matches: 83
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 84.54% Indels: 0
DB: 14 Gaps: 0

US-09-049-696-8 (1-253) x US-10-106-698-4628 (1-552)

QY 3 CAAAGTGTGCATCATCCACACAGTCGCTTTGGGGCCCTCTGCAGCTCAAGAACTAGAG 62
DB 65 GlnSerGlyAlaIleHleHisThrValAlaLeuGlyProSerAlaAlaGlnGluLeuGlu 84
QY 63 GAGCTGTCCAAATGACAGAGGTTTACAGATATGCTTCAGATCAAGTTCAGAACAA 122
DB 85 GluLeuSerLysMetThrGlyGlyLeuGlnThrTyraAlaSerAspGlnValGlnAsnAsn 104
QY 123 GGCCTCATTGATGCTTTTGGGGCCCTTTTCATCAGGAAATGGAGCTGTCTCTCAGCGCTCC 182
DB 105 GlyLeuIleAspAlaPheGlyAlaLeuSerSerGlyAsnGlyAlaValSerGlnArgSer 124
QY 183 ATCCAGCTTGAGAGTAAGGATTAAACCTCCAGAACACCCAGTGGATGAATGGCACAGTG 242
DB 125 IleGlnLeuGluSerLysGlyLeuThrLeuGlnAsnSerGlnTrpMetAsnGlyThrVal 144
QY 243 ATCGTGGAC 251
DB 145 IleValAsp 147

RESULT 2

US-10-106-698-6388
; Sequence 6388, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide
; FILE REFERENCE: PA005P1
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: Patent In Ver. 3.0
; SEQ ID NO 6388
; LENGTH: 869
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (14)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-10-106-698-6388

Alignment Scores:

Pred. No.: 1,02e-41 Length: 869
Score: 410.00 Matches: 83
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 84.54% Indels: 0
DB: 14 Gaps: 0

US-09-049-696-8 (1-253) x US-10-106-698-6388 (1-869)

QY 3 CAAAGTGTGCATCATCCACACAGTCGCTTTGGGGCCCTCTGCAGCTCAAGAACTAGAG 62
DB 382 GlnSerGlyAlaIleHleHisThrValAlaLeuGlyProSerAlaAlaGlnGluLeuGlu 401
QY 63 GAGCTGTCCAAATGACAGAGGTTTACAGACATATGCTTCAGATCAAGTTCAGAACAA 122

DB 402 GluLeuSerLysMetThrGlyGlyLeuGlnThrTyraAlaSerAspGlnValGlnAsnAsn 421
QY 123 GGCCTCATTGATGCTTTTGGGGCCCTTTTCATCAGGAAATGGAGCTGTCTCTCAGCGCTCC 182
DB 422 GlyLeuIleAspAlaPheGlyAlaLeuSerSerGlyAsnGlyAlaValSerGlnArgSer 441
QY 183 ATCCAGCTTGAGAGTAAGGATTAAACCTCCAGAACACCCAGTGGATGAATGGCACAGTG 242
DB 442 IleGlnLeuGluSerLysGlyLeuThrLeuGlnAsnSerGlnTrpMetAsnGlyThrVal 461
QY 243 ATCGTGGAC 251
DB 462 IleValAsp 464

RESULT 3

US-09-823-356-8
; Sequence 8, Application US/09823356
; Patent No. US20010025098A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Bandman, Olga
; APPLICANT: Lal, Preeti
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Yue, Henry
; APPLICANT: Corley, Neil C.
; APPLICANT: Guegler, Karl J.
; APPLICANT: Kaser, Matthew R.
; APPLICANT: Baughn, Mariah R.
; APPLICANT: Shah, Purvi
; TITLE OF INVENTION: HUMAN MEMBRANE SPANNING PROTEINS
; FILE REFERENCE: PP-0489-1 CON
; CURRENT APPLICATION NUMBER: US/09/823,356
; CURRENT FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/039,307
; PRIOR FILING DATE: 1998 March 13
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PERL Program
; SEQ ID NO 8
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20010025098A1 1737775
US-09-823-356-8

Alignment Scores:

Pred. No.: 1,03e-41 Length: 914
Score: 410.00 Matches: 83
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 84.54% Indels: 0
DB: 9 Gaps: 0

US-09-049-696-8 (1-253) x US-09-823-356-8 (1-914)

QY 3 CAAAGTGTGCATCATCCACACAGTCGCTTTGGGGCCCTCTGCAGCTCAAGAACTAGAG 62
DB 427 GlnSerGlyAlaIleHleHisThrValAlaLeuGlyProSerAlaAlaGlnGluLeuGlu 446
QY 63 GAGCTGTCCAAATGACAGAGGTTTACAGACATATGCTTCAGATCAAGTTCAGAACAA 122
DB 447 GluLeuSerLysMetThrGlyGlyLeuGlnThrTyraAlaSerAspGlnValGlnAsnAsn 466
QY 123 GGCCTCATTGATGCTTTTGGGGCCCTTTTCATCAGGAAATGGAGCTGTCTCTCAGCGCTCC 182
DB 467 GlyLeuIleAspAlaPheGlyAlaLeuSerSerGlyAsnGlyAlaValSerGlnArgSer 486
QY 183 ATCCAGCTTGAGAGTAAGGATTAAACCTCCAGAACACCCAGTGGATGAATGGCACAGTG 242
DB 487 IleGlnLeuGluSerLysGlyLeuThrLeuGlnAsnSerGlnTrpMetAsnGlyThrVal 506

QY 243 ATCGTGGAC 251
Db 507 lleValasp 509

RESULT 4

US-09-922-217-1066

; Sequence 1066, Application US/09922217

; Patent No. US20020076414A1

; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun

; APPLICANT: Lodes, Michael J.

; APPLICANT: Secrist, Heather

; APPLICANT: Benson, Darin R.

; APPLICANT: Meagher, Madeleine Joy

; APPLICANT: Stolk, John A.

; APPLICANT: Wang, Tongtong

; APPLICANT: Jiang, Yugu

; APPLICANT: Smith, Carole Lynn

; APPLICANT: King, Gordon E.

; APPLICANT: Wang, Aijun

; APPLICANT: Clapper, Jonathan D.

; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS

; FILE REFERENCE: 210121.471C13

; CURRENT APPLICATION NUMBER: US/09/922,217

; NUMBER OF SEQ ID NOS: 1124

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 1066

; LENGTH: 914

; TYPE: PRT

; ORGANISM: Homo sapiens

US-09-922-217-1066

Alignment Scores:

Pred. No.:	1.03e-41	Length:	914
Score:	410.00	Matches:	83
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	84.54%	Indels:	0
DB:	9	Gaps:	0

US-09-049-696-8 (1-253) x US-09-922-217-1066 (1-914)

QY 3 CAAAGTGTGCCATCATCCACACAGTCGCTTTGGGGCCCTCTGCAGCTCAAGAACTAGAG 62

Db 427 GlnSerGlyAlaIleHleHisThrValAlaLeuGlyProSerAlaAlaGlnGluLeuGlu 446

QY 63 GAGCTGTCCAAATGACAGGAGGTTTACAGACATATGCTTCAGATCAAGTTTCAGAACAAAT 122

Db 447 GluLeuSerLysMetThrGlyGlyLeuGlnThrTyrAlaSerAspGlnValGlnAsnAsn 466

QY 123 GGCCTCATGTATGCTTTGGGGCCCTTTTCATCAGGAATGGAGCTGTCTCTCAGCGCTCC 182

Db 467 GlyLeuIleAspAlaPheGlyAlaLeuSerSerGlyAsnGlyAlaValSerGlnArgSer 486

QY 183 ATCCAGCTTGAGTAAGGATTAAACCTCCAGAACAGCCAGTGGATGAATGGCACAGTG 242

Db 487 lleGlnLeuGluSerLysGlyLeuThrLeuGlnAsnSerGlnTrpMetAsnGlyThrVal 506

QY 243 ATCGTGGAC 251

Db 507 lleValasp 509

RESULT 5

US-09-833-263-1066

; Sequence 1066, Application US/09833263

; Patent No. US20020110547A1

; GENERAL INFORMATION:

; APPLICANT: Wang, Aijun

; APPLICANT: Clapper, Jonathan D.

; APPLICANT: Stolk, John A.

; APPLICANT: Meagher, Madeleine J.

; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND
; FILE REFERENCE: 210121.471C12
; CURRENT APPLICATION NUMBER: US/09/833,263

; CURRENT FILING DATE: 2001-04-10

; NUMBER OF SEQ ID NOS: 1093

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 1066

; LENGTH: 914

; TYPE: PRT

; ORGANISM: Homo sapiens

US-09-833-263-1066

Alignment Scores:

Pred. No.:	1.03e-41	Length:	914
Score:	410.00	Matches:	83
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	84.54%	Indels:	0
DB:	9	Gaps:	0

US-09-049-696-8 (1-253) x US-09-833-263-1066 (1-914)

QY 3 CAAAGTGTGCCATCATCCACACAGTCGCTTTGGGGCCCTCTGCAGCTCAAGAACTAGAG 62

Db 427 GlnSerGlyAlaIleHleHisThrValAlaLeuGlyProSerAlaAlaGlnGluLeuGlu 446

QY 63 GAGCTGTCCAAATGACAGGAGGTTTACAGACATATGCTTCAGATCAAGTTTCAGAACAAAT 122

Db 447 GluLeuSerLysMetThrGlyGlyLeuGlnThrTyrAlaSerAspGlnValGlnAsnAsn 466

QY 123 GGCCTCATGTATGCTTTGGGGCCCTTTTCATCAGGAATGGAGCTGTCTCTCAGCGCTCC 182

Db 467 GlyLeuIleAspAlaPheGlyAlaLeuSerSerGlyAsnGlyAlaValSerGlnArgSer 486

QY 183 ATCCAGCTTGAGTAAGGATTAAACCTCCAGAACAGCCAGTGGATGAATGGCACAGTG 242

Db 487 lleGlnLeuGluSerLysGlyLeuThrLeuGlnAsnSerGlnTrpMetAsnGlyThrVal 506

QY 243 ATCGTGGAC 251

Db 507 lleValasp 509

RESULT 6

US-09-981-353-192

; Sequence 192, Application US/09981353

; Patent No. US20020160382A1

; GENERAL INFORMATION:

; APPLICANT: Lasek, Amy W.

; APPLICANT: Jones, David A.

; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER

; FILE REFERENCE: PA-0038 US

; CURRENT APPLICATION NUMBER: US/09/981,353

; CURRENT FILING DATE: 2001-10-11

; NUMBER OF SEQ ID NOS: 194

; SOFTWARE: PERL Program

; SEQ ID NO 192

; LENGTH: 914

; TYPE: PRT

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: misc feature

; OTHER INFORMATION: Incyte ID No. US20020160382A1 1737775CD1

US-09-981-353-192

Alignment Scores:

Pred. No.:	1.03e-41	Length:	914
Score:	410.00	Matches:	83
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	84.54%	Indels:	0
DB:	9	Gaps:	0

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US-09-049-696-8 (1-253) x US-09-981-353-192 (1-914)
QY 3 CAAAGTGTGTCATCATCCACACAGTCGCTTTGGGGCCCTCTGCAGCTCAAGAACTAGAG 62
Db 427 GlnSerGlyAlaIleHisThrValAlaLeuGlyProSerAlaAlaGlnGluLeuGlu 446
QY 63 GAGCTGTCCAAATGACAGAGGAGTTTACAGACATATGCTTCAGATCAAGTTTCAGAACAA 122
Db 447 GluLeuSerLysMetThrGlyGlyLeuGlnThrTyrAlaSerAspGlnValGlnAsnAsn 466
QY 123 GGCCTCATGTATGCTTTTGGGGCCCTTCATCAGAAATGGAGCTGTCTCTCAGCGCTCC 182
Db 467 GlyLeuLeuAspAlaPheGlyAlaLeuSerSerGlyAsnGlyAlaValSerGlnArgSer 486
QY 183 ATCCAGCTTGACGTAAAGGATTAACCTCCAGACAGCCAGTCGATGAATGGCACAGTG 242
Db 487 IleGlnLeuGluSerLysGlyLeuThrLeuGlnAsnSerGlnTrpMetAsnGlyThrVal 506
QY 243 ATCGTGGAC 251
Db 507 IleValAsp 509
RESULT 7
US-09-833-245-2054
; Sequence 2054, Application US/09833245
; Publication No. US2004001034A1
; GENERAL INFORMATION:
; APPLICANT: Human Genome Sciences, Inc.
; TITLE OF INVENTION: Albumin Fusion Proteins
; FILE REFERENCE: PF546PCT
; CURRENT APPLICATION NUMBER: US/09/833,245
; CURRENT FILING DATE: 2001-04-12
; PRIOR APPLICATION NUMBER: 60/229,358
; PRIOR FILING DATE: 2000-04-12
; PRIOR APPLICATION NUMBER: 60/256,931
; PRIOR FILING DATE: 2000-12-21
; PRIOR APPLICATION NUMBER: 60/199,384
; PRIOR FILING DATE: 2000-04-25
; NUMBER OF SEQ ID NOS: 2267
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2054
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-833-245-2054
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Pred. No.: 1,03e-41 Length: 914
Score: 410.00 Matches: 83
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 84.54% Indels: 0
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Db 427 GlnSerGlyAlaIleHisThrValAlaLeuGlyProSerAlaAlaGlnGluLeuGlu 446
QY 63 GAGCTGTCCAAATGACAGAGGAGTTTACAGACATATGCTTCAGATCAAGTTTCAGAACAA 122
Db 447 GluLeuSerLysMetThrGlyGlyLeuGlnThrTyrAlaSerAspGlnValGlnAsnAsn 466
QY 123 GGCCTCATGTATGCTTTTGGGGCCCTTCATCAGAAATGGAGCTGTCTCTCAGCGCTCC 182
Db 467 GlyLeuLeuAspAlaPheGlyAlaLeuSerSerGlyAsnGlyAlaValSerGlnArgSer 486
QY 183 ATCCAGCTTGACGTAAAGGATTAACCTCCAGACAGCCAGTCGATGAATGGCACAGTG 242
Db 487 IleGlnLeuGluSerLysGlyLeuThrLeuGlnAsnSerGlnTrpMetAsnGlyThrVal 506
QY 243 ATCGTGGAC 251
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US-09-049-696-8 (1-253) x US-10-025-380-1066 (1-914)
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Db 447 GluLeuSerLysMetThrGlyGlyLeuGlnThrTyrAlaSerAspGlnValGlnAsnAsn 466
QY 123 GGCCTCATGTATGCTTTTGGGGCCCTTCATCAGAAATGGAGCTGTCTCTCAGCGCTCC 182
Db 467 GlyLeuLeuAspAlaPheGlyAlaLeuSerSerGlyAsnGlyAlaValSerGlnArgSer 486
QY 183 ATCCAGCTTGACGTAAAGGATTAACCTCCAGACAGCCAGTCGATGAATGGCACAGTG 242
Db 487 IleGlnLeuGluSerLysGlyLeuThrLeuGlnAsnSerGlnTrpMetAsnGlyThrVal 506
QY 243 ATCGTGGAC 251
Db 507 IleValAsp 509
RESULT 9
US-10-055-412B-28
; Sequence 28, Application US/10055412B
; Publication No. US2003005986A1
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
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; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; FILE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0058
; CURRENT APPLICATION NUMBER: US/10/055,412B
; PRIOR FILING DATE: 2001-10-29
; PRIOR APPLICATION NUMBER: US/09/193,562
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 28
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-055-412B-28

Alignment Scores:
Pred. No.: 1.03e-41 Length: 914
Score: 410.00 Matches: 83
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 84.54% Indels: 0
DB: 14 Gaps: 0

US-09-049-696-8 (1-253) x US-10-055-412B-28 (1-914)

QY 3 CAAGTGGTCCCATCCACACAGTCGCTTTGGGGCCCTCTGCAGCTCAAGAACTAGAG 62
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QY 63 GAGCTCTCAAAATGACAGAGGTTTACAGACATATGCTTCAGATCAAGTTTCAGAACAAAT 122
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QY 123 GGCCTCATTTGCTTTTGGGGCCCTTTCATCAGGAATGGAGCTCTCTCAGCGCTCC 182
Db 467 GlyLeuIleAspAlaPheGlyAlaLeuSerSerGlyAsnGlyAlaValSerGlnArgSer 486
QY 183 ATCCAGCTTGAGTAAGGATTAACCTCCAGAACAGCCAGTGGATGAATGGCAGAGTG 242
Db 487 IleGlnLeuGluSerLysGlyLeuThrLeuGlnAsnSerGlnTrpMetAsnGlyThrVal 506
QY 243 ATCGTGGAC 251
Db 507 IleValAsp 509

RESULT 10
US-10-270-595-6
; Sequence 6, Application US/10270595
; Publication No. US20030078409A1
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Acopic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/10/270,595
; PRIOR FILING DATE: 2002-10-16
; PRIOR APPLICATION NUMBER: US/09/623,624
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,472

; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; PRIOR FILING DATE: 1996-08-23
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-270-595-6

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Percent Similarity: 100.00% Conservative: 0
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Query Match: 84.54% Indels: 0
DB: 14 Gaps: 0

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QY 63 GAGCTCTCAAAATGACAGAGGTTTACAGACATATGCTTCAGATCAAGTTTCAGAACAAAT 122
Db 447 GluLeuSerLysMetThrGlyGlyLeuGlnThrTyrAlaSerAspGlnValGlnAsnAsn 466
QY 123 GGCCTCATTTGCTTTTGGGGCCCTTTCATCAGGAATGGAGCTCTCTCAGCGCTCC 182
Db 467 GlyLeuIleAspAlaPheGlyAlaLeuSerSerGlyAsnGlyAlaValSerGlnArgSer 486
QY 183 ATCCAGCTTGAGTAAGGATTAACCTCCAGAACAGCCAGTGGATGAATGGCAGAGTG 242
Db 487 IleGlnLeuGluSerLysGlyLeuThrLeuGlnAsnSerGlnTrpMetAsnGlyThrVal 506
QY 243 ATCGTGGAC 251
Db 507 IleValAsp 509

RESULT 11
US-10-235-994-26
; Sequence 26, Application US/10235994
; Publication No. US2003010102A1
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael
; TITLE OF INVENTION: METHODS FOR ANALYZING GENE EXPRESSION PATTERNS
; FILE REFERENCE: ICYTP012
; CURRENT APPLICATION NUMBER: US/10/235,994
; PRIOR FILING DATE: 2002-09-04
; PRIOR APPLICATION NUMBER: US/10/003,608
; PRIOR FILING DATE: 2001-11-01
; PRIOR APPLICATION NUMBER: 60/245,081
; PRIOR FILING DATE: 2000-11-01
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 26
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Human
US-10-235-994-26

Alignment Scores:
Pred. No.: 1.03e-41 Length: 914
Score: 410.00 Matches: 83
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 84.54% Indels: 0

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DB: 14 Gaps: 0
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Db 427 GlnSerGlyAlaIleIleHisThrValAlaLeuGlyProSerAlaAlaGlnGluLeuGlu 446
QY 63 GAGCTGTCCAAATGACAGAGGTTTACAGACATATGCTTCAGATCAAGTTCAGAACAAAT 122
Db 447 GluLeuSerLysMetThrGlyGlyLeuGlnThrTyraLeuSerAspGlnValGlnAsn 466
QY 123 GGCCTCATTGATGCTTTGGGGCCCTTCATCAGAAATGGAGCTGTCTCTCAGCGCTCC 182
Db 467 GlyLeuIleAspAlaPheGlyAlaLeuSerSerGlyAsnGlyAlaValSerGlnArgSer 486
QY 183 ATCCAGCTTGAGAGTAAGGATTAACCTCCAGAACAGCCAGTGGATGATGGCACAGTG 242
Db 487 IleGlnLeuGluSerLysGlyLeuThrLeuGlnAsnSerGlnTrpMetAsnGlyThrVal 506
QY 243 ATCGTGGAC 251
Db 507 IleValAsp 509
RESULT 12
US-10-060-255-42
; Sequence 42, Application US/10060255
; Publication No. US20030113840A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 25 Human secreted proteins
; FILE REFERENCE: P2042P1
; CURRENT APPLICATION NUMBER: US/10/060,255
; PRIOR FILING DATE: 2002-02-01
; PRIOR APPLICATION NUMBER: 09/781,417
; PRIOR FILING DATE: 2001-02-13
; PRIOR APPLICATION NUMBER: PCT/US00/22325
; PRIOR FILING DATE: 2000-08-16
; PRIOR APPLICATION NUMBER: 60/149,182
; PRIOR FILING DATE: 1999-08-17
; NUMBER OF SEQ ID NOS: 86
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 42
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-060-255-42
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Score: 410.00 Matches: 83
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 84.54% Indels: 0
DB: 14 Gaps: 0
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QY 3 CAAAGTGTGCCATCATCCACACAGTCGCTTTGGGGCCCTCTGCAGCTCAAGAACTAGAG 62
Db 427 GlnSerGlyAlaIleIleHisThrValAlaLeuGlyProSerAlaAlaGlnGluLeuGlu 446
QY 63 GAGCTGTCCAAATGACAGAGGTTTACAGACATATGCTTCAGATCAAGTTCAGAACAAAT 122
Db 447 GluLeuSerLysMetThrGlyGlyLeuGlnThrTyraLeuSerAspGlnValGlnAsn 466
QY 123 GGCCTCATTGATGCTTTGGGGCCCTTCATCAGAAATGGAGCTGTCTCTCAGCGCTCC 182
Db 467 GlyLeuIleAspAlaPheGlyAlaLeuSerSerGlyAsnGlyAlaValSerGlnArgSer 486
QY 183 ATCCAGCTTGAGAGTAAGGATTAACCTCCAGAACAGCCAGTGGATGATGGCACAGTG 242
Db 487 IleGlnLeuGluSerLysGlyLeuThrLeuGlnAsnSerGlnTrpMetAsnGlyThrVal 506
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QY 243 ATCGTGGAC 251
Db 507 IleValAsp 509
RESULT 13
US-10-369-214-133
; Sequence 133, Application US/10369214
; Publication No. US20030232037A1
; GENERAL INFORMATION:
; APPLICANT: Groot, Pieter C.
; APPLICANT: Bergenhegouwen van, Bram J.
; APPLICANT: Oosterhout van, Antoon J.M.
; TITLE OF INVENTION: Genes involved in immune related responses observed
; FILE REFERENCE: P53837US00
; CURRENT APPLICATION NUMBER: US/10/369,214
; CURRENT FILING DATE: 2003-02-15
; PRIOR APPLICATION NUMBER: EP 00202867.8
; PRIOR FILING DATE: 2000-08-16
; PRIOR APPLICATION NUMBER: PCT/NL01/00610
; PRIOR FILING DATE: 2001-08-16
; NUMBER OF SEQ ID NOS: 139
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 133
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (1)..(914)
; OTHER INFORMATION: /note="Human CLCA1"
US-10-369-214-133
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QY 3 CAAAGTGTGCCATCATCCACACAGTCGCTTTGGGGCCCTCTGCAGCTCAAGAACTAGAG 62
Db 427 GlnSerGlyAlaIleIleHisThrValAlaLeuGlyProSerAlaAlaGlnGluLeuGlu 446
QY 63 GAGCTGTCCAAATGACAGAGGTTTACAGACATATGCTTCAGATCAAGTTCAGAACAAAT 122
Db 447 GluLeuSerLysMetThrGlyGlyLeuGlnThrTyraLeuSerAspGlnValGlnAsn 466
QY 123 GGCCTCATTGATGCTTTGGGGCCCTTCATCAGAAATGGAGCTGTCTCTCAGCGCTCC 182
Db 467 GlyLeuIleAspAlaPheGlyAlaLeuSerSerGlyAsnGlyAlaValSerGlnArgSer 486
QY 183 ATCCAGCTTGAGAGTAAGGATTAACCTCCAGAACAGCCAGTGGATGATGGCACAGTG 242
Db 487 IleGlnLeuGluSerLysGlyLeuThrLeuGlnAsnSerGlnTrpMetAsnGlyThrVal 506
QY 243 ATCGTGGAC 251
Db 507 IleValAsp 509
RESULT 14
US-09-764-868-635
; Sequence 635, Application US/09764868
; Patent No. US20020168711A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PT232
; CURRENT APPLICATION NUMBER: US/09/764,868
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; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 1510
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 635
; LENGTH: 925
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-764-868-635

Alignment Scores:
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Score: 410.00 Matches: 83
Percent Similarity: 100.00% Conservative: 0
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US-09-049-696-8 (1-253) x US-09-764-868-635 (1-925)

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Db 458 GluLeuSerLysMetThrGlyLeuGlnThrTyAlaSerAspGlnValGlnAsnAsn 477
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QY 123 GGCCTCATTGATGCTTTTGGGGCCCTTTTCATCAGGAAATGGAGCTGTCTCTCAGCGCTCC 182
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Db 478 GlyLeuIleAspAlaPheGlyAlaLeuSerSerGlyAsnGlyAlaValSerGlnArgSer 497
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QY 183 ATCCAGCTTGAGAGTAAGGGATTAAACCTCCAGAACAGCCAGTGGATGAATGCCACAGTG 242
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Db 498 IleGlnLeuGluSerLysGlyLeuThrLeuGlnAsnSerGlnTrpMetAsnGlyThrVal 517
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QY 243 ATCGTGGAC 251
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RESULT 15

US-10-106-698-6248
; Sequence 8248, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide
; FILE REFERENCE: PA005PI
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 6248
; LENGTH: 925
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-106-698-6248

Alignment Scores:
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Score: 410.00 Matches: 83
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 84.54% Indels: 0
DB: 14 Gaps: 0

US-09-049-696-8 (1-253) x US-10-106-698-6248 (1-925)

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Db 438 GlnSerGlyAlaIleIleHisThrValAlaLeuGlyProSerAlaAlaGlnGluLeuGlu 457
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QY 63 GAGCTGTCCAAATGACACAGGAGTTTACAGACATATGCTTCAGATCAAGTTCAGAACAAAT 122
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Db 458 GluLeuSerLysMetThrGlyLeuGlnThrTyAlaSerAspGlnValGlnAsnAsn 477
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QY 123 GGCCTCATTGATGCTTTTGGGGCCCTTTTCATCAGGAAATGGAGCTGTCTCTCAGCGCTCC 182
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Db 478 GlyLeuIleAspAlaPheGlyAlaLeuSerSerGlyAsnGlyAlaValSerGlnArgSer 497
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QY 183 ATCCAGCTTGAGAGTAAGGGATTAAACCTCCAGAACAGCCAGTGGATGAATGCCACAGTG 242
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Db 498 IleGlnLeuGluSerLysGlyLeuThrLeuGlnAsnSerGlnTrpMetAsnGlyThrVal 517
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Db 518 IleValAsp 520
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Delop 6.0, Delext 7.0

Searched: 389414 seqs, 51625971 residues

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Post-processing: Minimum Match 0%
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SUMMARIES

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3	357	73.6	913	4	US-09-623-624-2
4	276	56.9	917	4	US-09-049-698-41
5	240	49.5	903	4	US-09-193-562D-46
6	239	49.3	903	4	US-09-623-624-18
7	234	48.2	902	4	US-09-193-562D-34
8	219	45.2	1000	4	US-09-193-562D-30
9	210	43.3	795	4	US-09-193-562D-11
10	210	43.3	821	4	US-09-193-562D-12
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13	194	40.0	592	4	US-09-480-884A-169	Sequence 169, App
14	194	40.0	592	4	US-09-542-615A-169	Sequence 169, App
15	194	40.0	592	4	US-09-606-421B-169	Sequence 169, App
16	194	40.0	791	4	US-09-643-597-170	Sequence 170, App
17	194	40.0	791	4	US-09-480-884A-170	Sequence 170, App
18	194	40.0	791	4	US-09-542-615A-170	Sequence 170, App
19	194	40.0	791	4	US-09-606-421B-170	Sequence 170, App
20	194	40.0	920	4	US-09-643-597-357	Sequence 357, App
21	194	40.0	942	4	US-09-919-172-87	Sequence 87, Appl
22	194	40.0	943	4	US-09-193-562D-32	Sequence 32, Appl
23	194	40.0	943	4	US-09-643-597-161	Sequence 161, App
24	194	40.0	943	4	US-09-480-884A-161	Sequence 161, App
25	194	40.0	943	4	US-09-542-615A-161	Sequence 161, App
26	194	40.0	943	4	US-09-606-421B-161	Sequence 161, App
27	194	40.0	943	4	US-09-623-624-4	Sequence 4, Appl
28	194	40.0	943	4	US-09-221-107-161	Sequence 161, App
29	71	15.2	133	4	US-09-489-039A-12871	Sequence 12871, A
30	69.5	14.3	209	4	US-09-685-168A-897	Sequence 897, App
31	69.5	14.3	492	3	US-09-342-749-2	Sequence 2, Appl
32	69.5	14.3	492	4	US-09-691-840-2	Sequence 2, Appl
33	69.5	14.3	492	4	US-09-685-166A-895	Sequence 895, App
34	68	14.0	1036	4	US-09-543-681A-7736	Sequence 7736, Ap
35	68	14.0	1507	6	5268270-2	Patent No. 5268270
36	66.5	13.7	546	4	US-09-345-236B-98	Sequence 98, Appl
37	66.5	13.7	546	4	US-09-345-236B-121	Sequence 121, App
38	66	13.6	400	2	US-08-713-298B-2	Sequence 2, Appl
39	66	13.6	400	2	US-08-870-180B-2	Sequence 2, Appl
40	66	13.6	400	3	US-08-814-052-4	Sequence 4, Appl
41	66	13.6	400	3	US-08-812-829-4	Sequence 4, Appl
42	66	13.6	400	3	US-09-226-529-2	Sequence 2, Appl
43	66	13.6	462	3	US-08-870-180B-13	Sequence 13, Appl
44	66	13.6	462	3	US-09-226-529-13	Sequence 13, Appl
45	64.5	13.3	1229	3	US-09-310-293-2	Sequence 2, Appl

ALIGNMENTS

RESULT 1
US-09-193-562D-28
; Sequence 28, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedict U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 28
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-193-562D-28

Alignment Scores:
Pred. No.: 9.87e-45 Length: 914
Score: 410.00 Matches: 83
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 84.54% Indels: 0
DB: 4 Gaps: 0

US-09-049-696-8 (1-253) x US-09-193-562D-28 (1-914)

QY	3	CAAGTGGTGCATCATCCACAGTCGCTTTGGGGCCCTCTGCAGCTCAAGAACTAGAG	62
Db	427	GlnSerGlyAlaIleIleHisThrValAlaLeuGlyProSerAlaIaGlnGluLeuGlu	446
QY	63	GAGCTGTCCAAATGACGAGGTTTACAGACATATGCTTCAGATCAAGTTTCAAGCAAT	122

Db 447 GluLeuSerLysMetThrGlyLeuGlnThrTyraLaserAspGlnValGlnAsnAsn 466
QY 123 GGCCTCATTGATGCTTTGGGGCCCTTCATCAGGAATGGAGCTGCTCTCAGCGCTCC 182
Db 467 GlyLeuIleAspAlaPheGlyAlaLeuSerGlyAenGlyAlaValSerGlnArgSer 486
QY 183 ATCCAGCTTGAGATGAGGATTAAACCTCCAGAACAGCCAGTGGATGAATGGCACAGTG 242
Db 487 IleGlnLeuGluSerLysGlyLeuThrLeuGlnAsnSerGlnTrpMetAsnGlyThrVal 506
QY 243 ATCGTGGAC 251
Db 507 IleValAsp 509

RESULT 2

US-09-623-624-6
; Sequence 6, Application US/09623624
; Patent No. 6576434
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/09/623,624
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,472
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,110
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,168
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/980,872
; PRIOR FILING DATE: 1997-12-01
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-623-624-6

Alignment Scores:
Pred. No.: 914 Length: 914
Score: 410.00 Matches: 83
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 84.54% Indels: 0
DB: 4 Gaps: 0

US-09-049-696-8 (1-253) x US-09-623-624-6 (1-914)

QY 3 CAAGTGTGTCATCATCCACAGCTGCTTTGGGGCCCTCTGCAGCTCAAGAACTAGAG 62
Db 427 GlnSerGlyAlaIleIleHisThrValAlaLeuGlyProSerAlaAlaGlnGluLeuGlu 446
QY 63 GAGCTGTCCAAATGACAGGAGGTTTACAGACATATGCTTCAGATCAAGATTTCAGAACAA 122

Db 447 GluLeuSerLysMetThrGlyLeuGlnThrTyraLaserAspGlnValGlnAsnAsn 466
QY 123 GGCCTCATTGATGCTTTGGGGCCCTTCATCAGGAATGGAGCTGCTCTCAGCGCTCC 182
Db 467 GlyLeuIleAspAlaPheGlyAlaLeuSerGlyAenGlyAlaValSerGlnArgSer 486
QY 183 ATCCAGCTTGAGATGAGGATTAAACCTCCAGAACAGCCAGTGGATGAATGGCACAGTG 242
Db 487 IleGlnLeuGluSerLysGlyLeuThrLeuGlnAsnSerGlnTrpMetAsnGlyThrVal 506
QY 243 ATCGTGGAC 251
Db 507 IleValAsp 509

RESULT 3

US-09-623-624-2
; Sequence 2, Application US/09623624
; Patent No. 6576434
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/09/623,624
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,472
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,110
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,168
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/980,872
; PRIOR FILING DATE: 1997-12-01
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 913
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-623-624-2

Alignment Scores:
Pred. No.: 7,71e-38 Length: 913
Score: 357.00 Matches: 68
Percent Similarity: 95.18% Conservative: 11
Best Local Similarity: 81.93% Mismatches: 4
Query Match: 73.61% Indels: 0
DB: 4 Gaps: 0

US-09-049-696-8 (1-253) x US-09-623-624-2 (1-913)

QY 3 CAAGTGTGTCATCATCCACAGCTGCTTTGGGGCCCTCTGCAGCTCAAGAACTAGAG 62
Db 428 GlnSerGlyAlaIleIleHisThrValAlaLeuGlyProAlaAlaLysGluLeuGlu 447

QY 63 GAGCTGTCACAAATGACAGGAGGTTTACAGACATATGCTTTCAGATCAAGATTGAGAACAAAT 122
Db 448 GlnLeuSerLysMetThrGlyGlyLeuGlnThrTyrSerSerAspGlnValGlnAsnAsn 467
QY 123 GGCCTCATTGATGCTTTGGGGCCCTTTCATCAGGAATGGAGCTGCTCTCAGCGCTCC 182
Db 468 GlyLeuValAspAlaPheAlaLeuSerSerGlyAsnAlaAlaIleAlaGlnHisSer 487
QY 183 ATCCAGCTTGAGATGAGGATTAAACCTCCACAGACAGCAGTGGATGAATGGCACAGTG 242
Db 488 IleGlnLeuGluSerArgGlyValAsnLeuGlnAsnAsnGlnTyrMetAsnGlySerVal 507
QY 243 ATCGTGGAC 251
Db 508 IleValAsp 510

RESULT 4

US-09-049-698-41

; Sequence 41, Application US/09049698

; Patent No. 6368792

; GENERAL INFORMATION:

; APPLICANT: BILLING-MEDEL, PATRICIA A.

; APPLICANT: COHEN, MAURICE

; APPLICANT: COLPITTS, TRACEY L.

; APPLICANT: FRIEDMAN, PAULA N.

; APPLICANT: HAYDEN, MARK

; APPLICANT: KLASS, MICHAEL R.

; APPLICANT: ROBERTS-RAPP, LISA

; APPLICANT: RUSSELL, JOHN C.

; APPLICANT: STROUPE, STEPHEN D.

; TITLE OF INVENTION: REAGENTS AND METHODS FOR THE

; TITLE OF INVENTION: USEFUL FOR DETECTING DISEASES OF THE GASTROINTESTINAL

; TITLE OF INVENTION: TRACT

; NUMBER OF SEQUENCES: 51

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Abbott Laboratories

; STREET: 100 Abbott Park Road

; CITY: Abbott Park

; STATE: IL

; COUNTRY: USA

; ZIP: 60064-3500

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Diskette

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: DOS

; SOFTWARE: Fast-Seq for Windows Version 2.0

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/049,698

; FILING DATE:

; CLASSIFICATION:

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/828,856

; FILING DATE: 31-MAR-1997

; ATTORNEY/AGENT INFORMATION:

; NAME: Becker, Cheryl L.

; REGISTRATION NUMBER: 35,441

; REFERENCE/DOCKET NUMBER: 6068.US.P1

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 847/935-1729

; TELEFAX: 847/938-2623

; TELEX:

; INFORMATION FOR SEQ ID NO: 41:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 917 amino acids

; TYPE: amino acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: No. 6368792e

US-09-049-698-41

Alignment Scores:

Pred. No.:

Score:

2.64e-27

276.00

Length:

Matches:

917

53

Percent Similarity: 81.93% Conservative: 15
Best Local Similarity: 63.86% Mismatches: 15
Query Match: 56.91% Indels: 0
DB: 4 Gaps: 0

US-09-049-696-8 (1-253) x US-09-049-698-41 (1-917)

QY 3 CAAAGTGTGCATCATCCACACAGTCGCTTTGGGGCCCTTGCAGCTCAAGAACTAGAG 62

Db 428 GlnSerGlyAlaIleValHisPheIleAlaLeuGlyArgAlaAlaAspGluAlaValIle 447

QY 63 GAGCTGTCCAAATACACAGGAGGTTTACAGACATATGCTTTCAGATCAAGTTTCAAGAACAAAT 122

Db 448 GluMetSerLysIleThrGlyGlySerHisPheTyrValSerAspGluAlaGlnAsnAsn 467

QY 123 GGCCTCATTGATGCTTTGGGGCCCTTTCATCAGGAATGGAGCTGCTCTCTCAGCGCTCC 182

Db 468 GlyLeuIleAspAlaPheGlyAlaLeuThrSerGlyAsnThrAspLeuSerGlnLysSer 487

QY 183 ATCCAGCTTGAGATGAGGATTAAACCTCCACAGACAGCAGTGGATGAATGGCACAGTG 242

Db 488 LeuGlnLeuGluSerLysGlyLeuThrLeuAsnSerAsnAlaTyrMetAsnAspThrVal 507

QY 243 ATCGTGGAC 251

Db 508 IleIleAsp 510

RESULT 5

US-09-193-562D-46

; Sequence 46, Application US/09193562D

; Patent No. 6309857

; GENERAL INFORMATION:

; APPLICANT: Pauli, Benedicht U.

; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium

; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules

; FILE REFERENCE: 18617.0052

; CURRENT APPLICATION NUMBER: US/09/193,562D

; CURRENT FILING DATE: 1998-11-17

; PRIOR APPLICATION NUMBER: US/60/065,922

; PRIOR FILING DATE: 1997-11-17

; NUMBER OF SEQ ID NOS: 47

; SEQ ID NO 46

; LENGTH: 903

; TYPE: PRT

; ORGANISM: Unknown

; FEATURE:

; OTHER INFORMATION: Calcium sensitive chloride channel from bovine tracheal

; OTHER INFORMATION: epithelium (Cunningham et al., 1995, J. Biol. Chem., 270:31016-

; OTHER INFORMATION: 31026)

US-09-193-562D-46

Alignment Scores:

Pred. No.:

Score:

1.27e-22

Length:

240.00

Matches:

Percent Similarity:

77.11%

Conservative:

15

Best Local Similarity:

59.04%

Mismatches:

17

Query Match:

49.48%

Indels:

2

Gaps:

1

DB:

4

US-09-049-696-8 (1-253) x US-09-193-562D-46 (1-903)

QY 3 CAAAGTGTGCATCATCCACACAGTCGCTTTGGGGCCCTTGCAGCTCAAGAACTAGAG 62

Db 430 GlnSerGlyValIleIleHisThrValAlaLeuGlyProSerAlaAlaLysGluLeuGlu 449

QY 63 GAGCTGTCCAAATACACAGGAGGTTTACAGACATATGCTTTCAGATCAAGTTTCAAGAACAAAT 122

Db 450 ThrLeuSerAspMetThrGlyGlyHisArgPheTyrAlaAsnLysAspIle-----Asn 467

QY 123 GGCCTCATTGATGCTTTGGGGCCCTTTCATCAGGAATGGAGCTGCTCTCTCAGCGCTCC 182

Db 468 GlyLeuThrAsnAlaPheSerArgSerGlySerIleThrGlnGlnThr 487

QY 183 ATCCAGCTTGAGAGTAAGGATTAAACCTCCAGAACAGCCAGTCGATGATGATGACAGTG 242
|||||
Db 488 IleGlnLeuGluSerLysAlaLeuAlaIleThrGluLysLysTrpValAsnGlyThrVal 507
QY 243 ATCGTGGAC 251
|||||
Db 508 ProValAsp 510

RESULT 6

US-09-623-624-18
; Sequence 18, Application US/09623624
; Patent No. 6576434
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/09/623,624
; CURRENT FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,472
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,110
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,168
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/980,872
; PRIOR FILING DATE: 1997-12-01
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 18
; LENGTH: 903
; TYPE: PRT
; ORGANISM: Bos taurus
US-09-623-624-18

Alignment Scores:
Pred. No.: 1,716-22 Length: 903
Score: 239.00 Matches: 48
Percent Similarity: 77.11% Conservative: 16
Best Local Similarity: 57.83% Mismatches: 17
Query Match: 49.28% Indels: 2
DB: 4 Gaps: 1

US-09-049-696-8 (1-253) x US-09-623-624-18 (1-903)

QY 3 CAAAGTGTGCATCATCCACACAGTCGCTTTGGGGCCCTCTGCAGCTCAAGAACTAGAG 62
|||||
Db 430 GlnSerGlyValIleIleHisThrIleAlaLeuGlyProSerAlaAlaLysGlnLeuGlu 449
QY 63 GAGCTGTCCAAATGACAGGAGTTTACAGACATATGCTTCAGATCAAGTTCAGAACAAAT 122
|||||
Db 450 ThrLeuSerAspMetThrGlyHisArgPheTyrAlaAsnLysAspIle-----Asn 467
QY 123 GGCCTCATTTGATGCTTTTGGGGCCCTCTGCAGAAATGAGCTGTCTCTCAGCGCTCC 182
|||||
Db 468 GlyLeuThrAsnAlaPheSerArgIleSerSerArgSerGlySerIleThrGlnGlnThr 487

QY 183 ATCCAGCTTGAGAGTAAGGATTAAACCTCCAGAACAGCCAGTCGATGATGATGACAGTG 242
|||||
Db 488 IleGlnLeuGluSerLysAlaLeuAlaIleThrGluLysLysTrpValAsnGlyThrVal 507
QY 243 ATCGTGGAC 251
|||||
Db 508 ProValAsp 510

RESULT 7

US-09-193-562D-34
; Sequence 34, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; CURRENT FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 34
; LENGTH: 902
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-193-562D-34

Alignment Scores:
Pred. No.: 7,63e-22 Length: 902
Score: 234.00 Matches: 48
Percent Similarity: 77.11% Conservative: 16
Best Local Similarity: 57.83% Mismatches: 17
Query Match: 48.25% Indels: 2
DB: 4 Gaps: 1

US-09-049-696-8 (1-253) x US-09-193-562D-34 (1-902)

QY 3 CAAAGTGTGCATCATCCACACAGTCGCTTTGGGGCCCTCTGCAGCTCAAGAACTAGAG 62
:::|||||
Db 430 ArgSerGlyAlaIleIleHisThrIleAlaLeuGlyProSerArgAlaArgGlnLeuGlu 449
QY 63 GAGCTGTCCAAATGACAGGAGTTTACAGACATATGCTTCAGATCAAGTTCAGAACAAAT 122
|||||
Db 450 ThrLeuSerAspMetThrGlyGlyLeuArgPheTyrAlaAsnLysAspLeu-----Asn 467
QY 123 GGCCTCATTTGATGCTTTTGGGGCCCTCTGCAGAAATGAGCTGTCTCTCAGCGCTCC 182
:::|||||
Db 468 SerLeuIleAspAlaPheSerArgIleSerSerThrSerGlySerValSerGlnGlnAla 487
QY 183 ATCCAGCTTGAGAGTAAGGATTAAACCTCCAGAACAGCCAGTCGATGATGATGACAGTG 242
:::|||||
Db 488 LeuGlnLeuGluSerLysAlaPheAspValArgAlaGlyAlaIleThrIleAsnGlyThrVal 507
QY 243 ATCGTGGAC 251
|||||
Db 508 ProLeuAsp 510

RESULT 8

US-09-193-562D-30
; Sequence 30, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; CURRENT FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47


```
; Sequence 2, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; FILE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; CURRENT APPLICATION NUMBER: US/09/193,562D
; CURRENT FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 2
; LENGTH: 905
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Lu-ECAM-1 precursor from bovine endothelial cells
US-09-193-562D-2

Alignment Scores:
Pred. No.: 1,018-18 Length: 905
Score: 210.00 Matches: 44
Percent Similarity: 74.70% Conservative: 18
Best Local Similarity: 53.01% Mismatches: 19
Query Match: 43.30% Indels: 2
DB: 4 Gaps: 1

US-09-049-696-8 (1-253) x US-09-193-562D-2 (1-905)
QY 3 CAAGTGTGTCATCATCCACACAGTGCCTTTGGGGCCCTCTGCAGCTCAAGAACTAGAG 62
Db 431 ArgSerGlyAlaIleHisThrIleAlaLeuGlyProSerAlaAlaLeuGlu 450
QY 63 GAGCTGTCCAAATGACAGGAGTTTACAGACATATGCTTCAGATCAAGTTCAGAACAA 122
Db 451 ThrLysSerAsnMetThrGlyGlyTyrArgPhePheAlaAsnLysAspIle-----Thr 468
QY 123 GGCCTCATGTGCTTTGGGGCCCTTTCACAGAAATGGAGCTGTCTCTCAGCGCTCC 182
Db 469 GlyLeuThrAsnAlaPheSerArgIleSerSerArgSerGlySerIleThrGlnGlnAla 488
QY 183 ATCCAGCTTGAGTAAGGAGTTAAACCTCCAGAACAGCCAGTGGATGAATGGCACAGTG 242
Db 489 IleGlnLeuGluSerLysAlaLeuLysIleThrGlyArgLysArgValAsnGlyThrVal 508
QY 243 ATCTGGGAC 251
Db 509 ProValAsp 511

RESULT 12
US-09-643-597-169
; Sequence 169, Application US/09643597
; Patent No. 6426072
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy
; APPLICANT: Fanger, Gary R.
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Henderson, Robert A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.455C11
; CURRENT APPLICATION NUMBER: US/09/643,597
; CURRENT FILING DATE: 2000-08-21
; NUMBER OF SEQ ID NOS: 369
; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 169
; LENGTH: 592
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-643-597-169

Alignment Scores:
Pred. No.: 1,118-16 Length: 592
Score: 194.00 Matches: 40
Percent Similarity: 67.07% Conservative: 15
Best Local Similarity: 48.78% Mismatches: 27
Query Match: 40.00% Indels: 0
DB: 4 Gaps: 0

US-09-049-696-8 (1-253) x US-09-643-597-169 (1-592)
QY 6 AGTGTGTCATCATCCACACAGTGCCTTTGGGGCCCTCTGCAGCTCAAGAACTAGAGAG 65
Db 436 SerGlySerThrIleHisSerIleAlaLeuGlySerSerAlaAlaProAsnLeuGlu 455
QY 66 CTGTCCAAATGACAGGAGTTTACAGACATATGCTTCAGATCAAGTTCAGAACAAATGC 125
Db 456 LeuSerArgLeuThrGlyGlyLeuLysPheValProAspIleSerAsnSerAsnSer 475
QY 126 CTCTATGATGCTTTGGGGCCCTTTCATCAGAAATGGAGCTGTCTCTCAGCGCTCCATC 185
Db 476 MetIleAspAlaPheSerArgIleSerSerGlyThrGlyAspIlePheGlnGlnHisIle 495
QY 186 CAGCTTGAGTAAGGAGTTAAACCTCCAGAACAGCCAGTGGATGAATGGCACAGTGCATC 245
Db 496 GlnLeuGluSerThrGlyGluAsnValLysProHisHisGlnLeuLysAsnThrValThr 515
QY 246 GTGGAC 251
Db 516 ValAsp 517

RESULT 13
US-09-480-884A-169
; Sequence 169, Application US/09480884A
; Patent No. 6482597
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Hosken, Nancy A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY
; FILE REFERENCE: 210121.455C6
; CURRENT APPLICATION NUMBER: US/09/480,884A
; CURRENT FILING DATE: 2001-08-27
; NUMBER OF SEQ ID NOS: 330
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 169
; LENGTH: 592
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-480-884A-169

Alignment Scores:
Pred. No.: 1,118-16 Length: 592
Score: 194.00 Matches: 40
Percent Similarity: 67.07% Conservative: 15
Best Local Similarity: 48.78% Mismatches: 27
Query Match: 40.00% Indels: 0
DB: 4 Gaps: 0

US-09-049-696-8 (1-253) x US-09-480-884A-169 (1-592)
QY 6 AGTGTGTCATCATCCACACAGTGCCTTTGGGGCCCTCTGCAGCTCAAGAACTAGAGAG 65
Db 436 SerGlySerThrIleHisSerIleAlaLeuGlySerSerAlaAlaProAsnLeuGlu 455
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QY 66 CTGTCCTCAAAATGACAGGAGTTTACAGACATATGCTTCAGATCAAGTTCAGAACATGGC 125
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Db 456 LeuSerArgLeuThrGlyGlyLeuLysPheValProAspIleSerAsnSer 475
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QY 126 CTCATTGATGCTTTGGGGCCCTTTCATCAGGAATGGAGCTCTCTCAGCGCTCCATC 185
|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 476 MetIleAspAlaPheSerArgIleSerGlyThrGlyAspIlePheGlnHisIle 495
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QY 186 CAGCTTGAGATGAAGGATTAAACCTCCAGAACAGCCAGTGGATGAATGGCACAGTGATC 245
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Db 496 GlnLeuGluSerThrGlyGluAsnValLysProHisGlnLeuLysAsnThrValThr 515
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QY 246 GTGGAC 251
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Db 516 ValAsp 517
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RESULT 14
US-09-542-615A-169
; Sequence 169, Application US/09542615A
; Patent No. 6518256
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Ligu
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy R.
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY
; FILE REFERENCE: 210121.455C8
; CURRENT APPLICATION NUMBER: US/09/542,615A
; NUMBER OF SEQ ID NOS: 350
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 169
; LENGTH: 592
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-542-615A-169
Alignment Scores:
Pred. No.: 11e-16 Length: 592
Score: 194.00 Matches: 40
Percent Similarity: 67.07% Conservative: 15
Best Local Similarity: 48.78% Mismatches: 27
Query Match: 40.00% Indels: 0
DB: 4 Gaps: 0
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QY 6 AGTGTGCCATCATCCACACAGTCGCTTTGGGGCCCTCTGCAGCTCAAGAACTAGAGGAG 65
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Db 436 SerGlySerThrIleHisSerIleAlaLeuGlySerSerAlaAlaProAsnLeuGlu 455
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QY 126 CTCATTGATGCTTTGGGGCCCTTTCATCAGGAATGGAGCTCTCTCAGCGCTCCATC 185
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Db 476 MetIleAspAlaPheSerArgIleSerGlyThrGlyAspIlePheGlnHisIle 495
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QY 186 CAGCTTGAGATGAAGGATTAAACCTCCAGAACAGCCAGTGGATGAATGGCACAGTGATC 245
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Db 496 GlnLeuGluSerThrGlyGluAsnValLysProHisGlnLeuLysAsnThrValThr 515
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QY 246 GTGGAC 251
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RESULT 15
US-09-606-421B-169
; Sequence 169, Application US/09606421B
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; Patent No. 6531315
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Ligu
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy R.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.455C9
; CURRENT APPLICATION NUMBER: US/09/606,421B
; NUMBER OF SEQ ID NOS: 358
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 169
; LENGTH: 592
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-606-421B-169
Alignment Scores:
Pred. No.: 11e-16 Length: 592
Score: 194.00 Matches: 40
Percent Similarity: 67.07% Conservative: 15
Best Local Similarity: 48.78% Mismatches: 27
Query Match: 40.00% Indels: 0
DB: 4 Gaps: 0
US-09-049-696-8 (1-253) x US-09-606-421B-169 (1-592)
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Db 436 SerGlySerThrIleHisSerIleAlaLeuGlySerSerAlaAlaProAsnLeuGlu 455
|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 66 CTGTCCTCAAAATGACAGGAGTTTACAGACATATGCTTCAGATCAAGTTCAGAACATGGC 125
|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 456 LeuSerArgLeuThrGlyGlyLeuLysPheValProAspIleSerAsnSer 475
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QY 126 CTCATTGATGCTTTGGGGCCCTTTCATCAGGAATGGAGCTCTCTCAGCGCTCCATC 185
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Db 476 MetIleAspAlaPheSerArgIleSerGlyThrGlyAspIlePheGlnHisIle 495
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QY 186 CAGCTTGAGATGAAGGATTAAACCTCCAGAACAGCCAGTGGATGAATGGCACAGTGATC 245
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Db 496 GlnLeuGluSerThrGlyGluAsnValLysProHisGlnLeuLysAsnThrValThr 515
|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 246 GTGGAC 251
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GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: April 24, 2004, 04:05:52 ; Search time 154.661 Seconds
(without alignments)
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Perfect score: 289
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Scoring table: IDENTITY NUC
Gapop 10_0 , Gapext 1.0

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Total number of hits satisfying chosen parameters: 5815158

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications_NA.*

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- 2: /cgn2_6/prodata/2/pubpna/US07_PUB_PUB.seq.*
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- 4: /cgn2_6/prodata/2/pubpna/US06_PUBCOMB.seq.*
- 5: /cgn2_6/prodata/2/pubpna/US07_NEW_PUB.seq.*
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- 12: /cgn2_6/prodata/2/pubpna/US09_PUB_PUB.seq.*
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- 14: /cgn2_6/prodata/2/pubpna/US10A_PUBCOMB.seq.*
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- 16: /cgn2_6/prodata/2/pubpna/US10C_PUBCOMB.seq.*
- 17: /cgn2_6/prodata/2/pubpna/US10_NEW_PUB.seq.*
- 18: /cgn2_6/prodata/2/pubpna/US60_NEW_PUB.seq.*
- 19: /cgn2_6/prodata/2/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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2	288	99.7	2854	15	US-10-106-698-1971
3	288	99.7	2867	15	US-10-106-698-351
4	288	99.7	3007	15	US-10-055-412B-27
5	288	99.7	3109	15	US-10-106-698-2111
6	288	99.7	3111	9	US-09-823-356-25
7	288	99.7	3111	9	US-09-981-353-191
8	288	99.7	3111	15	US-10-235-994-25
9	288	99.7	3267	9	US-09-764-868-22
10	288	99.7	3311	9	US-09-922-217-1056
11	288	99.7	3311	9	US-09-833-263-1056
12	288	99.7	3311	14	US-10-025-380-1056
13	288	99.7	3311	15	US-10-393-590-11
14	288	99.7	3311	15	US-10-393-590-12

15	288	99.7	3311	15	US-10-393-590-46	Sequence 46, Appl
16	288	99.7	3311	15	US-10-393-590-47	Sequence 47, Appl
17	288	99.7	3311	15	US-10-393-567-11	Sequence 11, Appl
18	288	99.7	3311	15	US-10-393-567-12	Sequence 12, Appl
19	288	99.7	3311	15	US-10-393-567-46	Sequence 46, Appl
20	288	99.7	3311	15	US-10-393-567-47	Sequence 47, Appl
21	288	99.7	3311	15	US-10-394-087-11	Sequence 11, Appl
22	288	99.7	3311	15	US-10-394-087-12	Sequence 12, Appl
23	288	99.7	3311	15	US-10-394-087-46	Sequence 46, Appl
24	288	99.7	3311	15	US-10-394-087-47	Sequence 47, Appl
25	288	99.7	4569	10	US-09-867-034-3	Sequence 3, Appl
26	288	99.7	4569	13	US-10-276-115-3	Sequence 3, Appl
27	205	70.9	1512	16	US-10-305-720-850	Sequence 850, App
28	200.6	69.4	2931	15	US-10-270-595-1	Sequence 1, Appl
29	176.8	61.2	527	15	US-10-066-543-2111	Sequence 2111, Ap
30	159.8	55.3	2754	15	US-10-345-167-16	Sequence 16, Appl
31	159.8	55.3	3043	14	US-10-025-167-16	Sequence 16, Appl
32	159.8	55.3	3169	9	US-09-981-353-53	Sequence 53, Appl
33	159.8	55.3	3169	15	US-10-235-994-15	Sequence 15, Appl
34	159.8	55.3	3181	14	US-10-025-167-18	Sequence 18, Appl
35	159.8	55.3	3195	10	US-09-867-034-22	Sequence 22, Appl
36	159.8	55.3	3195	13	US-10-276-115-22	Sequence 22, Appl
37	159.8	55.3	3196	15	US-10-158-646-39	Sequence 39, Appl
38	159.8	55.3	3199	13	US-10-276-774-993	Sequence 993, App
39	159.8	55.3	3204	15	US-10-345-680-31	Sequence 31, Appl
40	159.8	55.3	3207	15	US-10-101-510-660	Sequence 660, App
41	159.8	55.3	3218	16	US-10-087-080-33	Sequence 33, Appl
42	159.8	55.3	3265	9	US-09-989-723-378	Sequence 378, App
43	159.8	55.3	3265	9	US-09-989-723-378	Sequence 378, App
44	159.8	55.3	3265	9	US-09-989-723-378	Sequence 378, App
45	159.8	55.3	3265	9	US-09-989-723-378	Sequence 378, App

ALIGNMENTS

RESULT 1

- US-10-270-595-5
- Sequence 5, Application US/10270595
- Publication No. US2003007840A1
- GENERAL INFORMATION:
- APPLICANT: Magainin Pharmaceuticals, Inc.
- TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
- TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
- TITLE OF INVENTION: Disorders
- FILE REFERENCE: 36870-5073-WO
- CURRENT APPLICATION NUMBER: US/10/270,595
- CURRENT FILING DATE: 2002-10-16
- PRIOR APPLICATION NUMBER: US/09/623,624
- PRIOR FILING DATE: 2000-09-06
- PRIOR APPLICATION NUMBER: PCT/US99/04703
- PRIOR FILING DATE: 1999-03-03
- PRIOR APPLICATION NUMBER: US 08/697,360
- PRIOR FILING DATE: 1996-08-23
- PRIOR APPLICATION NUMBER: US 08/697,419
- PRIOR FILING DATE: 1996-08-23
- PRIOR APPLICATION NUMBER: US 08/697,440
- PRIOR FILING DATE: 1996-08-23
- PRIOR APPLICATION NUMBER: US 08/697,471
- PRIOR FILING DATE: 1996-08-23
- PRIOR APPLICATION NUMBER: US 08/697,471
- PRIOR FILING DATE: 1996-08-23
- PRIOR APPLICATION NUMBER: US 08/697,472
- PRIOR FILING DATE: 1996-08-23
- PRIOR APPLICATION NUMBER: US 08/697,473
- PRIOR FILING DATE: 1996-08-23
- PRIOR APPLICATION NUMBER: US 08/702,105
- PRIOR FILING DATE: 1996-08-23
- Remaining Prior Application data removed - See File Wrapper or PALM.
- NUMBER OF SEQ ID NOS: 18
- SOFTWARE: PatentIn Ver. 2.0
- SEQ ID NO 5
- LENGTH: 2745

TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (1)..(2742)
US-10-270-595-5

Query Match 99.7%; Score 288; DB 15; Length 2745;
Best Local Similarity 99.7%; Pred. No. 1.6e-89;
Matches 288; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1 GAAATATCAACTGATGATCTGAAATTTGCTGTGACGATGGGGAAGACAACTAT 60
DB 1194 GAAATATCAACTGATGATCTGAAATTTGCTGTGACGATGGGGAAGACAACTAT 1253
QY 61 AAGTGGGTGCTTTAAGGAGGTCAAACTAAGTGTGCTATCCACAGTGCCTTTGG 120
DB 1254 AAGTGGGTGCTTTAAGGAGGTCAAACTAAGTGTGCTATCCACAGTGCCTTTGG 1313
QY 121 GCCTCTGACGCTCAAGAACTAGAGGAGCTGTCCAAATGACAGGAGTTTACACACATA 180
DB 1314 GCCTCTGACGCTCAAGAACTAGAGGAGCTGTCCAAATGACAGGAGTTTACACACATA 1373
QY 181 TGCTTCAGATCAAGTTTCAAGAACTAGGCTCTCATTTGCTGCTTTTGGGCGCTTTTCATCAGG 240
DB 1374 TGCTTCAGATCAAGTTTCAAGAACTAGGCTCTCATTTGCTGCTTTTGGGCGCTTTTCATCAGG 1433
QY 241 AAATGAGCTGTCTCTCAGCGCTCCATCCAGCTTGAGAGTAAGGGATTA 289
DB 1434 AAATGAGCTGTCTCTCAGCGCTCCATCCAGCTTGAGAGTAAGGGATTA 1482

RESULT 2

US-10-106-698-1971
; Sequence 1971, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide
; FILE REFERENCE: PA005P1
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: Patentin Ver. 3.0
; SEQ ID NO 1971
; LENGTH: 2854
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-106-698-1971

Query Match 99.7%; Score 288; DB 15; Length 2854;
Best Local Similarity 99.7%; Pred. No. 1.6e-89;
Matches 288; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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DB 1228 GAAATATCAACTGATGATCTGAAATTTGCTGTGACGATGGGGAAGACAACTAT 1287
QY 61 AAGTGGGTGCTTTAAGGAGGTCAAACTAAGTGTGCTATCCACAGTGCCTTTGG 120
DB 1288 AAGTGGGTGCTTTAAGGAGGTCAAACTAAGTGTGCTATCCACAGTGCCTTTGG 1347
QY 121 GCCTCTGACGCTCAAGAACTAGAGGAGCTGTCCAAATGACAGGAGTTTACACACATA 180
DB 1348 GCCTCTGACGCTCAAGAACTAGAGGAGCTGTCCAAATGACAGGAGTTTACACACATA 1407
QY 181 TGCTTCAGATCAAGTTTCAAGAACTAGGCTCTCATTTGCTGCTTTTGGGCGCTTTTCATCAGG 240

DB 1408 TGCTTCAGATCAAGTTTCAAGAACTAGGCTCTCATTTGCTGCTTTTCATCAGG 1467
QY 241 AAATGAGCTGTCTCTCAGCGCTCCATCCAGCTTGAGAGTAAGGGATTA 289
DB 1468 AAATGAGCTGTCTCTCAGCGCTCCATCCAGCTTGAGAGTAAGGGATTA 1516

RESULT 3

US-10-106-698-351
; Sequence 351, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptides
; FILE REFERENCE: PA005P1
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: Patentin Ver. 3.0
; SEQ ID NO 351
; LENGTH: 2867
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-106-698-351

Query Match 99.7%; Score 288; DB 15; Length 2867;

Best Local Similarity 99.7%; Pred. No. 1.6e-89;
Matches 288; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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DB 1232 GAAATATCAACTGATGATCTGAAATTTGCTGTGACGATGGGGAAGACAACTAT 1291
QY 61 AAGTGGGTGCTTTAAGGAGGTCAAACTAAGTGTGCTATCCACAGTGCCTTTGG 120
DB 1292 AAGTGGGTGCTTTAAGGAGGTCAAACTAAGTGTGCTATCCACAGTGCCTTTGG 1351
QY 121 GCCTCTGACGCTCAAGAACTAGAGGAGCTGTCCAAATGACAGGAGTTTACACACATA 180
DB 1352 GCCTCTGACGCTCAAGAACTAGAGGAGCTGTCCAAATGACAGGAGTTTACACACATA 1411
QY 181 TGCTTCAGATCAAGTTTCAAGAACTAGGCTCTCATTTGCTGCTTTTGGGCGCTTTTCATCAGG 240
DB 1412 TGCTTCAGATCAAGTTTCAAGAACTAGGCTCTCATTTGCTGCTTTTGGGCGCTTTTCATCAGG 1471
QY 241 AAATGAGCTGTCTCTCAGCGCTCCATCCAGCTTGAGAGTAAGGGATTA 289
DB 1472 AAATGAGCTGTCTCTCAGCGCTCCATCCAGCTTGAGAGTAAGGGATTA 1520

RESULT 4

US-10-055-412B-27
; Sequence 27, Application US/10055412B
; Publication No. US20030059861A1
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedict U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; FILE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0058
; CURRENT APPLICATION NUMBER: US/10/055,412B
; CURRENT FILING DATE: 2001-10-29
; PRIOR APPLICATION NUMBER: US/09/193,562
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47

SEQ ID NO 27
LENGTH: 3007
TYPE: DNA
ORGANISM: Homo sapiens
US-10-055-412B-27

Query Match 99.7%; Score 288; DB 15; Length 3007;
Best Local Similarity 99.7%; Pred. No. 1.7e-89;
Matches 288; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GAAATATCAACTGATGGATCTGAAATCTGCTGCTGACGGATGGGGAAGACAACTAT 60
DB 1240 GAAATATCAACTGATGGATCTGAAATCTGCTGCTGACGGATGGGGAAGACAACTAT 1299

QY 61 AAGTGGTCTTTAAGCAGGTCAACAAAGTNGTGCCATCATCCACACAGTGCCTTTGGG 120
DB 1300 AAGTGGTCTTTAAGCAGGTCAACAAAGTNGTGCCATCATCCACACAGTGCCTTTGGG 1359

QY 121 GCCCTCTGAGCTCAAGACTAGAGAGCTGTCCAAAATGACAGGAGTTTACAGACATA 180
DB 1360 GCCCTCTGAGCTCAAGACTAGAGAGCTGTCCAAAATGACAGGAGTTTACAGACATA 1419

QY 181 TCGTTTCAGATCAAGTTTCAAGCAATGGCTCTATTGATGCTTTTGGGGCCCTTTTCATCAGG 240
DB 1420 TCGTTTCAGATCAAGTTTCAAGCAATGGCTCTATTGATGCTTTTGGGGCCCTTTTCATCAGG 1479

QY 241 AAATGGAGCTGTCTCTCAGCGCTCCATCCAGCTTGAGAGTAAGGGATTA 289
DB 1480 AAATGGAGCTGTCTCTCAGCGCTCCATCCAGCTTGAGAGTAAGGGATTA 1528

RESULT 5
US-10-106-698-2111
Sequence 2111, Application US/10106698
Publication No. US20030109690A1
GENERAL INFORMATION:
APPLICANT: Ruben et al.
TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide
FILE REFERENCE: PA005P1
CURRENT APPLICATION NUMBER: US/10/106,698
PRIOR FILING DATE: 2002-03-27
PRIOR APPLICATION NUMBER: PCT/US00/26524
PRIOR FILING DATE: 2000-09-28
PRIOR APPLICATION NUMBER: US 60/157,137
PRIOR FILING DATE: 1999-09-29
PRIOR APPLICATION NUMBER: US 60/163,280
PRIOR FILING DATE: 1999-11-03
NUMBER OF SEQ ID NOS: 8564
SOFTWARE: Patent In Ver. 3.0
SEQ ID NO 2111
LENGTH: 3109
TYPE: DNA
ORGANISM: Homo sapiens
US-10-106-698-2111

Query Match 99.7%; Score 288; DB 15; Length 3109;
Best Local Similarity 99.7%; Pred. No. 1.7e-89;
Matches 288; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GAAATATCAACTGATGGATCTGAAATCTGCTGCTGACGGATGGGGAAGACAACTAT 60
DB 1081 GAAATATCAACTGATGGATCTGAAATCTGCTGCTGACGGATGGGGAAGACAACTAT 1140

QY 61 AAGTGGTCTTTAAGCAGGTCAACAAAGTNGTGCCATCATCCACAGTGCCTTTGGG 120
DB 1141 AAGTGGTCTTTAAGCAGGTCAACAAAGTNGTGCCATCATCCACAGTGCCTTTGGG 1200

QY 121 GCCCTCTGAGCTCAAGACTAGAGAGCTGTCCAAAATGACAGGAGTTTACAGACATA 180
DB 1201 GCCCTCTGAGCTCAAGACTAGAGAGCTGTCCAAAATGACAGGAGTTTACAGACATA 1260

QY 181 TCGTTTCAGATCAAGTTTCAAGCAATGGCTCTATTGATGCTTTTGGGGCCCTTTTCATCAGG 240

DB 1261 TCGTTTCAGATCAAGTTTCAAGCAATGGCTCTATTGATGCTTTTGGGGCCCTTTTCATCAGG 1320

QY 241 AAATGGAGCTGTCTCTCAGCGCTCCATCCAGCTTGAGAGTAAGGGATTA 289

DB 1321 AAATGGAGCTGTCTCTCAGCGCTCCATCCAGCTTGAGAGTAAGGGATTA 1369

RESULT 6
US-09-823-356-25
Sequence 25, Application US/09823356
Patent No. US20010025098A1
GENERAL INFORMATION:
APPLICANT: Tang, Y. Tom
APPLICANT: Bandman, Olga
APPLICANT: Lal, Preeti
APPLICANT: Hillman, Jennifer L.
APPLICANT: Yue, Henry
APPLICANT: Corley, Neil C.
APPLICANT: Guegler, Karl J.
APPLICANT: Kaser, Matthew R.
APPLICANT: Baughn, Mariah R.
APPLICANT: Shah, Purvi
TITLE OF INVENTION: HUMAN MEMBRANE SPANNING PROTEINS
FILE REFERENCE: PF-0489-1 CON
CURRENT APPLICATION NUMBER: US/09/823,356
CURRENT FILING DATE: 2001-03-30
PRIOR APPLICATION NUMBER: 09/039,307
PRIOR FILING DATE: 1998 March 13
NUMBER OF SEQ ID NOS: 34
SOFTWARE: PERL Program
SEQ ID NO 25
LENGTH: 3111
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
OTHER INFORMATION: Incyte ID No. US20010025098A1 1737775
US-09-823-356-25

Query Match 99.7%; Score 288; DB 9; Length 3111;
Best Local Similarity 99.7%; Pred. No. 1.7e-89;
Matches 288; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GAAATATCAACTGATGGATCTGAAATCTGCTGCTGACGGATGGGGAAGACAACTAT 60
DB 1227 GAAATATCAACTGATGGATCTGAAATCTGCTGCTGACGGATGGGGAAGACAACTAT 1286

QY 61 AAGTGGTCTTTAAGCAGGTCAACAAAGTNGTGCCATCATCCACAGTGCCTTTGGG 120
DB 1287 AAGTGGTCTTTAAGCAGGTCAACAAAGTNGTGCCATCATCCACAGTGCCTTTGGG 1346

QY 121 GCCCTCTGAGCTCAAGACTAGAGAGCTGTCCAAAATGACAGGAGTTTACAGACATA 180
DB 1347 GCCCTCTGAGCTCAAGACTAGAGAGCTGTCCAAAATGACAGGAGTTTACAGACATA 1406

QY 181 TCGTTTCAGATCAAGTTTCAAGCAATGGCTCTATTGATGCTTTTGGGGCCCTTTTCATCAGG 240
DB 1407 TCGTTTCAGATCAAGTTTCAAGCAATGGCTCTATTGATGCTTTTGGGGCCCTTTTCATCAGG 1466

QY 241 AAATGGAGCTGTCTCTCAGCGCTCCATCCAGCTTGAGAGTAAGGGATTA 289
DB 1467 AAATGGAGCTGTCTCTCAGCGCTCCATCCAGCTTGAGAGTAAGGGATTA 1515

RESULT 7
US-09-981-353-191
Sequence 191, Application US/09981353
Patent No. US20020160382A1
GENERAL INFORMATION:
APPLICANT: Lasek, Amy W.
APPLICANT: Jones, David A.
TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
FILE REFERENCE: PA-0038 US

; CURRENT APPLICATION NUMBER: US/09/981,353
; CURRENT FILING DATE: 2001-10-11
; NUMBER OF SEQ ID NOS: 194
; SOFTWARE: PERL Program
; SEQ ID NO 191
; LENGTH: 3111
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No. US20020160382A1 1737775CB1
US-09-981-353-191

Query Match 99.7%; Score 288; DB 9; Length 3111;
Best Local Similarity 99.7%; Pred. No. 1.7e-89;
Matches 288; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1 GAAATATCAACTGATGGATCTCAAAATTTGCTGTGCTGACGGATGGGGAAGACAACTAT 60
DB 1227 GAAATATCAACTGATGGATCTCAAAATTTGCTGTGCTGACGGATGGGGAAGACAACTAT 1286
QY 61 AAGTGGTGCTTTAAGAGGCTCAAAAGTNGTGCATCATCCACAGTCGCTTTGGG 120
DB 1287 AAGTGGTGCTTTAAGAGGCTCAAAAGTNGTGCATCATCCACAGTCGCTTTGGG 1346
QY 121 GCCCTCTGAGCTCAAGAACTAGAGAGCTGTCCTCAAAATGACAGGAGTTTACAGACATA 180
DB 1347 GCCCTCTGAGCTCAAGAACTAGAGAGCTGTCCTCAAAATGACAGGAGTTTACAGACATA 1406
QY 181 TGCCTTCAGATCAAGTTTCAAGAACTAGAGAGCTGTCCTCAAAATGACAGGAGTTTACAGACATA 240
DB 1407 TGCCTTCAGATCAAGTTTCAAGAACTAGAGAGCTGTCCTCAAAATGACAGGAGTTTACAGACATA 1466
QY 241 AAATGAGCTGTCTTCAAGCGCTCCATCCAGCTTCAGAGTAAAGGATTA 289
DB 1467 AAATGAGCTGTCTTCAAGCGCTCCATCCAGCTTCAGAGTAAAGGATTA 1515

RESULT 8
US-10-235-994-25
; Sequence 25, Application US/10235994
; Publication No. US20030101002A1
; GENERAL INFORMATION:
; APPLICANT: Bartha, Gabor
; APPLICANT: Walker, Michael
; TITLE OF INVENTION: METHODS FOR ANALYZING GENE EXPRESSION PATTERNS
; FILE REFERENCE: ICYTP012
; CURRENT APPLICATION NUMBER: US/10/235,994
; CURRENT FILING DATE: 2002-09-04
; PRIOR APPLICATION NUMBER: US/10/003,608
; PRIOR FILING DATE: 2001-11-01
; PRIOR APPLICATION NUMBER: 60/245,081
; PRIOR FILING DATE: 2000-11-01
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 25
; LENGTH: 3111
; TYPE: DNA
; ORGANISM: Human
US-10-235-994-25

Query Match 99.7%; Score 288; DB 15; Length 3111;
Best Local Similarity 99.7%; Pred. No. 1.7e-89;
Matches 288; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1 GAAATATCAACTGATGGATCTCAAAATTTGCTGTGCTGACGGATGGGGAAGACAACTAT 60
DB 1227 GAAATATCAACTGATGGATCTCAAAATTTGCTGTGCTGACGGATGGGGAAGACAACTAT 1286
QY 61 AAGTGGTGCTTTAAGAGGCTCAAAAGTNGTGCATCATCCACAGTCGCTTTGGG 120
DB 1287 AAGTGGTGCTTTAAGAGGCTCAAAAGTNGTGCATCATCCACAGTCGCTTTGGG 1346

QY 121 GCCCTCTGAGCTCAAGAACTAGAGAGCTGTCCAAATGACAGGAGTTTACAGACATA 180
DB 1347 GCCCTCTGAGCTCAAGAACTAGAGAGCTGTCCAAATGACAGGAGTTTACAGACATA 1406
QY 181 TGCCTTCAGATCAAGTTTCAAGAACTAGAGAGCTGTCCAAATGACAGGAGTTTACAGACATA 240
DB 1407 TGCCTTCAGATCAAGTTTCAAGAACTAGAGAGCTGTCCAAATGACAGGAGTTTACAGACATA 1466
QY 241 AAATGAGCTGTCTTCAAGCGCTCCATCCAGCTTCAGAGTAAAGGATTA 289
DB 1467 AAATGAGCTGTCTTCAAGCGCTCCATCCAGCTTCAGAGTAAAGGATTA 1515

RESULT 9
US-09-764-868-22
; Sequence 22, Application US/09764868
; Patent No. US20020168711A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PT232
; CURRENT APPLICATION NUMBER: US/09/764,868
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 1510
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 22
; LENGTH: 3267
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-868-22

Query Match 99.7%; Score 288; DB 9; Length 3267;
Best Local Similarity 99.7%; Pred. No. 1.7e-89;
Matches 288; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1 GAAATATCAACTGATGGATCTCAAAATTTGCTGTGCTGACGGATGGGGAAGACAACTAT 60
DB 1228 GAAATATCAACTGATGGATCTCAAAATTTGCTGTGCTGACGGATGGGGAAGACAACTAT 1287
QY 61 AAGTGGTGCTTTAAGAGGCTCAAAAGTNGTGCATCATCCACAGTCGCTTTGGG 120
DB 1288 AAGTGGTGCTTTAAGAGGCTCAAAAGTNGTGCATCATCCACAGTCGCTTTGGG 1347
QY 121 GCCCTCTGAGCTCAAGAACTAGAGAGCTGTCCAAATGACAGGAGTTTACAGACATA 180
DB 1348 GCCCTCTGAGCTCAAGAACTAGAGAGCTGTCCAAATGACAGGAGTTTACAGACATA 1407
QY 181 TGCCTTCAGATCAAGTTTCAAGAACTAGAGAGCTGTCCAAATGACAGGAGTTTACAGACATA 240
DB 1408 TGCCTTCAGATCAAGTTTCAAGAACTAGAGAGCTGTCCAAATGACAGGAGTTTACAGACATA 1467
QY 241 AAATGAGCTGTCTTCAAGCGCTCCATCCAGCTTCAGAGTAAAGGATTA 289
DB 1468 AAATGAGCTGTCTTCAAGCGCTCCATCCAGCTTCAGAGTAAAGGATTA 1516

RESULT 10
US-09-922-217-1056
; Sequence 1056, Application US/09922217
; Patent No. US20020076414A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather
; APPLICANT: Benson, Darin R.
; APPLICANT: Meagher, Madeleine Joy
; APPLICANT: Stolk, John A.
; APPLICANT: Wang, Tongtong
; APPLICANT: Jiang, Yudi
; APPLICANT: Smith, Carole Lynn
; APPLICANT: King, Gordon B.
; APPLICANT: Wang, Aijun

```
; APPLICANT: Clapper, Jonathan D.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; FILE REFERENCE: 210121.471C13
; CURRENT APPLICATION NUMBER: US/09/922,217
; CURRENT FILING DATE: 2001-08-03
; NUMBER OF SEQ ID NOS: 1124
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1056
; LENGTH: 3311
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-922-217-1056

Query Match          99.7%; Score 288; DB 9; Length 3311;
Best Local Similarity 99.7%; Pred. No. 1.8e-89;
Matches 288; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GAAATATCCAAGTCTGATCTGAAATTTGCTGCTGACGGATGGGGAAGACAACTAT 60
DB 1545 GAAATATCCAAGTCTGATCTGAAATTTGCTGCTGACGGATGGGGAAGACAACTAT 1604

QY 61 AAGTGGTCTTTAAACGAGGTCAAAACAAAGTNGTGCATCATCCACACAGTCGCTTTGGG 120
DB 1605 AAGTGGTCTTTAAACGAGGTCAAAACAAAGTNGTGCATCATCCACACAGTCGCTTTGGG 1664

QY 121 GCCCTCTGCAGCTCAAGAACTAGAGGAGCTTCCAAATGACAGGAGGTTTACAGACATA 180
DB 1665 GCCCTCTGCAGCTCAAGAACTAGAGGAGCTTCCAAATGACAGGAGGTTTACAGACATA 1724

QY 181 TCGTTTCAGATCAAGTTTCAAGAACTAGAGGAGCTTCCAAATGACAGGAGGTTTACAGACATA 240
DB 1725 TCGTTTCAGATCAAGTTTCAAGAACTAGAGGAGCTTCCAAATGACAGGAGGTTTACAGACATA 1784

QY 241 AAATGAGAGTCTCTCAGCGCTCCATCCAGCTTGAGAGTAAAGGGATTA 289
DB 1785 AAATGAGAGTCTCTCAGCGCTCCATCCAGCTTGAGAGTAAAGGGATTA 1833

RESULT 11
US-09-833-263-1056
; Sequence 1056, Application US/09833263
; Patent No. US20020110547A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; APPLICANT: Stolk, John A.
; APPLICANT: Meagher, Madeleine J.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND
; FILE REFERENCE: 210121.471C12
; CURRENT APPLICATION NUMBER: US/09/833,263
; CURRENT FILING DATE: 2001-04-10
; NUMBER OF SEQ ID NOS: 1093
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1056
; LENGTH: 3311
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-833-263-1056

Query Match          99.7%; Score 288; DB 9; Length 3311;
Best Local Similarity 99.7%; Pred. No. 1.8e-89;
Matches 288; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GAAATATCCAAGTCTGATCTGAAATTTGCTGCTGACGGATGGGGAAGACAACTAT 60
DB 1545 GAAATATCCAAGTCTGATCTGAAATTTGCTGCTGACGGATGGGGAAGACAACTAT 1604

QY 61 AAGTGGTCTTTAAACGAGGTCAAAACAAAGTNGTGCATCATCCACACAGTCGCTTTGGG 120
DB 1605 AAGTGGTCTTTAAACGAGGTCAAAACAAAGTNGTGCATCATCCACACAGTCGCTTTGGG 1664

QY 121 GCCCTCTGCAGCTCAAGAACTAGAGGAGCTTCCAAATGACAGGAGGTTTACAGACATA 180
DB 1665 GCCCTCTGCAGCTCAAGAACTAGAGGAGCTTCCAAATGACAGGAGGTTTACAGACATA 1724

QY 181 TCGTTTCAGATCAAGTTTCAAGAACTAGAGGAGCTTCCAAATGACAGGAGGTTTACAGACATA 240
DB 1725 TCGTTTCAGATCAAGTTTCAAGAACTAGAGGAGCTTCCAAATGACAGGAGGTTTACAGACATA 1784

QY 241 AAATGAGAGTCTCTCAGCGCTCCATCCAGCTTGAGAGTAAAGGGATTA 289
DB 1785 AAATGAGAGTCTCTCAGCGCTCCATCCAGCTTGAGAGTAAAGGGATTA 1833

RESULT 13
US-09-833-263-1056
; Sequence 1056, Application US/09833263
; Patent No. US20020110547A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; APPLICANT: Stolk, John A.
; APPLICANT: Meagher, Madeleine J.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND
; FILE REFERENCE: 210121.471C12
; CURRENT APPLICATION NUMBER: US/09/833,263
; CURRENT FILING DATE: 2001-04-10
; NUMBER OF SEQ ID NOS: 1093
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1056
; LENGTH: 3311
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-833-263-1056

Query Match          99.7%; Score 288; DB 9; Length 3311;
Best Local Similarity 99.7%; Pred. No. 1.8e-89;
Matches 288; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GAAATATCCAAGTCTGATCTGAAATTTGCTGCTGACGGATGGGGAAGACAACTAT 60
DB 1545 GAAATATCCAAGTCTGATCTGAAATTTGCTGCTGACGGATGGGGAAGACAACTAT 1604

QY 61 AAGTGGTCTTTAAACGAGGTCAAAACAAAGTNGTGCATCATCCACACAGTCGCTTTGGG 120
DB 1605 AAGTGGTCTTTAAACGAGGTCAAAACAAAGTNGTGCATCATCCACACAGTCGCTTTGGG 1664
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US-10-393-590-11
; Sequence 11, Application US/10393590
; Publication No. US20030190656A1
; GENERAL INFORMATION:
; APPLICANT: WANG, YIXIN
; TITLE OF INVENTION: BREAST CANCER PROGNASTIC PORTFOLIO
; FILE REFERENCE: CDS 268 US NP
; CURRENT APPLICATION NUMBER: US/10/393,590
; CURRENT FILING DATE: 2003-03-21
; PRIOR APPLICATION NUMBER: 60/368,789
; PRIOR FILING DATE: 2002-03-29
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 11
; LENGTH: 3311
; TYPE: DNA
; ORGANISM: human
US-10-393-590-11

Query Match
Best Local Similarity 99.7%; Score 288; DB 15; Length 3311;
Matches 288; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GAAATATCCAACTGATGCTCAAAATTTGCTGCTGACGGATGGGGAAGACAACTAT 60
DB 1545 GAAATATCCAACTGATGCTCAAAATTTGCTGCTGACGGATGGGGAAGACAACTAT 1604
QY 61 AAGTGGTGCTTTAAGCAGGTCAAAAGTNGTCCAAATGACAGGAGTTTACAGACATA 180
DB 1665 GCGCTCTGCAGCTCAAGAACTAGAGAGCTGTCCAAAATGACAGAGGTTTACAGACATA 1724
QY 1605 AAGTGGTGCTTTAAGCAGGTCAAAAGTNGTCCAAATGACAGGAGTTTACAGACATA 1664
QY 121 GCGCTCTGCAGCTCAAGAACTAGAGAGCTGTCCAAAATGACAGAGGTTTACAGACATA 180
DB 1665 GCGCTCTGCAGCTCAAGAACTAGAGAGCTGTCCAAAATGACAGAGGTTTACAGACATA 1724
QY 181 TGCTTCAGATCAAGTTCAAGAACTAGAGAGCTGTCCAAAATGACAGAGGTTTACAGACATA 180
DB 1725 TGCTTCAGATCAAGTTCAAGAACTAGAGAGCTGTCCAAAATGACAGAGGTTTACAGACATA 1724
QY 241 AAATGGAGCTGTCTCTCAGCGCTCCATCCAGCTTGAGAGTAAGGGATTA 289
DB 1785 AAATGGAGCTGTCTCTCAGCGCTCCATCCAGCTTGAGAGTAAGGGATTA 1833

RESULT 14
US-10-393-590-12
; Sequence 12, Application US/10393590
; Publication No. US20030190656A1
; GENERAL INFORMATION:
; APPLICANT: WANG, YIXIN
; TITLE OF INVENTION: BREAST CANCER PROGNASTIC PORTFOLIO
; FILE REFERENCE: CDS 268 US NP
; CURRENT APPLICATION NUMBER: US/10/393,590
; CURRENT FILING DATE: 2003-03-21
; PRIOR APPLICATION NUMBER: 60/368,789
; PRIOR FILING DATE: 2002-03-29
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 12
; LENGTH: 3311
; TYPE: DNA
; ORGANISM: human
US-10-393-590-12

Query Match
Best Local Similarity 99.7%; Score 288; DB 15; Length 3311;
Matches 288; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GAAATATCCAACTGATGCTCAAAATTTGCTGCTGACGGATGGGGAAGACAACTAT 60
DB 1545 GAAATATCCAACTGATGCTCAAAATTTGCTGCTGACGGATGGGGAAGACAACTAT 1604
QY 61 AAGTGGTGCTTTAAGCAGGTCAAAAGTNGTCCAAATGACAGGAGTTTACAGACATA 180
DB 1665 GCGCTCTGCAGCTCAAGAACTAGAGAGCTGTCCAAAATGACAGAGGTTTACAGACATA 1724
QY 181 TGCTTCAGATCAAGTTCAAGAACTAGAGAGCTGTCCAAAATGACAGAGGTTTACAGACATA 180
DB 1725 TGCTTCAGATCAAGTTCAAGAACTAGAGAGCTGTCCAAAATGACAGAGGTTTACAGACATA 1724
QY 241 AAATGGAGCTGTCTCTCAGCGCTCCATCCAGCTTGAGAGTAAGGGATTA 289
DB 1785 AAATGGAGCTGTCTCTCAGCGCTCCATCCAGCTTGAGAGTAAGGGATTA 1833

RESULT 15
US-10-393-590-46
; Sequence 46, Application US/10393590
; Publication No. US20030190656A1
; GENERAL INFORMATION:
; APPLICANT: WANG, YIXIN
; TITLE OF INVENTION: BREAST CANCER PROGNASTIC PORTFOLIO
; FILE REFERENCE: CDS 268 US NP
; CURRENT APPLICATION NUMBER: US/10/393,590
; CURRENT FILING DATE: 2003-03-21
; PRIOR APPLICATION NUMBER: 60/368,789
; PRIOR FILING DATE: 2002-03-29
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 46
; LENGTH: 3311
; TYPE: DNA
; ORGANISM: human
US-10-393-590-46

Query Match
Best Local Similarity 99.7%; Score 288; DB 15; Length 3311;
Matches 288; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GAAATATCCAACTGATGCTCAAAATTTGCTGCTGACGGATGGGGAAGACAACTAT 60
DB 1545 GAAATATCCAACTGATGCTCAAAATTTGCTGCTGACGGATGGGGAAGACAACTAT 1604
QY 61 AAGTGGTGCTTTAAGCAGGTCAAAAGTNGTCCAAATGACAGGAGTTTACAGACATA 180
DB 1665 AAGTGGTGCTTTAAGCAGGTCAAAAGTNGTCCAAATGACAGGAGTTTACAGACATA 1664
QY 121 GCGCTCTGCAGCTCAAGAACTAGAGAGCTGTCCAAAATGACAGAGGTTTACAGACATA 180
DB 1665 GCGCTCTGCAGCTCAAGAACTAGAGAGCTGTCCAAAATGACAGAGGTTTACAGACATA 1724
QY 181 TGCTTCAGATCAAGTTCAAGAACTAGAGAGCTGTCCAAAATGACAGAGGTTTACAGACATA 240
DB 1725 TGCTTCAGATCAAGTTCAAGAACTAGAGAGCTGTCCAAAATGACAGAGGTTTACAGACATA 1784
QY 241 AAATGGAGCTGTCTCTCAGCGCTCCATCCAGCTTGAGAGTAAGGGATTA 289
DB 1785 AAATGGAGCTGTCTCTCAGCGCTCCATCCAGCTTGAGAGTAAGGGATTA 1833

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OM nucleic - nucleic search, using sw model

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Title: US-09-049-696-7

Perfect score: 289

Sequence: 1 GAATATCCAACTGATGAT.....AGCTTGAGAGTAAGGATTA 289

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Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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3: /cgn2_6/ptodata/2/ina/6A-COMB.seq.*

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5: /cgn2_6/ptodata/2/ina/PCTUS-COMB.seq.*

6: /cgn2_6/ptodata/2/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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5	159.8	55.3	3043	4	US-09-049-698-16
6	159.8	55.3	3181	4	US-09-049-698-18
7	111	38.4	3317	4	US-09-193-562D-1
8	103	35.6	3022	4	US-09-193-562D-33
9	94.2	32.6	590	4	US-09-643-597-132
10	94.2	32.6	590	4	US-09-480-884A-132
11	94.2	32.6	590	4	US-09-542-615A-132
12	94.2	32.6	590	4	US-09-606-421B-132
13	94.2	32.6	590	4	US-09-221-107-132
14	94.2	32.6	2773	4	US-09-643-597-358
15	94.2	32.6	2784	4	US-09-643-597-168
16	94.2	32.6	2784	4	US-09-480-884A-168
17	94.2	32.6	2784	4	US-09-542-615A-168
18	94.2	32.6	2784	4	US-09-606-421B-168
19	94.2	32.6	2970	4	US-09-193-562D-31
20	94.2	32.6	3156	4	US-09-919-172-86
21	94.2	32.6	3190	4	US-09-623-624-3
22	94.2	32.6	3362	4	US-09-643-597-167
23	94.2	32.6	3362	4	US-09-480-884A-167
24	94.2	32.6	3362	4	US-09-542-615A-167
25	94.2	32.6	3362	4	US-09-606-421B-167
26	94.2	32.6	3351	4	US-09-643-597-160
27	94.2	32.6	3351	4	US-09-480-884A-160

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30	94.2	32.6	3951	4	US-09-221-107-160	Sequence 160, App
31	94.2	32.6	8031	4	US-09-643-597-254	Sequence 254, App
32	94.2	32.6	8031	4	US-09-480-884A-254	Sequence 254, App
33	94.2	32.6	8031	4	US-09-542-615A-254	Sequence 254, App
34	94.2	32.6	8031	4	US-09-606-421B-254	Sequence 254, App
35	84.6	29.3	3418	4	US-09-193-562D-29	Sequence 5, Appli
36	79.4	27.5	216	4	US-09-049-698-5	Sequence 931, Appli
37	79.4	27.5	619	4	US-09-016-434-931	Sequence 3363, Ap
38	30.8	10.7	1090	4	US-09-107-532A-3363	Sequence 38, Appl
C 39	30.2	10.4	128779	4	US-09-497-855A-38	Sequence 386, Ap
C 40	30	10.4	1548	4	US-09-328-352-386	Sequence 94, Appl
C 41	29	10.0	1497	4	US-09-220-132-94	Sequence 1, Appli
42	29	10.0	4821	3	US-08-913-374-1	Sequence 1, Appli
43	29	10.0	1830121	4	US-09-557-884-1	Sequence 1, Appli
44	29	10.0	1830121	4	US-09-643-990A-1	Sequence 5466, Ap
C 45	28.8	10.0	282	4	US-09-313-294A-5466	

ALIGNMENTS

RESULT 1

US-09-623-624-5

; Sequence 5, Application US/09623624

; Patent No. 6576434

; GENERAL INFORMATION:

; APPLICANT: Magainin Pharmaceuticals, Inc.

; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating

; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related

; FILE REFERENCE: 36870-5073-WO

; CURRENT APPLICATION NUMBER: US/09/623,624

; CURRENT FILING DATE: 2000-09-06

; PRIOR APPLICATION NUMBER: PCT/US99/04703

; PRIOR FILING DATE: 1999-03-03

; PRIOR APPLICATION NUMBER: US 08/697,360

; PRIOR FILING DATE: 1996-08-23

; PRIOR APPLICATION NUMBER: US 08/697,419

; PRIOR FILING DATE: 1996-08-23

; PRIOR APPLICATION NUMBER: US 08/697,440

; PRIOR FILING DATE: 1996-08-23

; PRIOR APPLICATION NUMBER: US 08/697,471

; PRIOR FILING DATE: 1996-08-23

; PRIOR APPLICATION NUMBER: US 08/697,471

; PRIOR FILING DATE: 1996-08-23

; PRIOR APPLICATION NUMBER: US 08/697,472

; PRIOR FILING DATE: 1996-08-23

; PRIOR APPLICATION NUMBER: US 08/697,473

; PRIOR FILING DATE: 1996-08-23

; PRIOR APPLICATION NUMBER: US 08/702,105

; PRIOR FILING DATE: 1996-08-23

; PRIOR APPLICATION NUMBER: US 08/702,110

; PRIOR FILING DATE: 1996-08-23

; PRIOR APPLICATION NUMBER: US 08/702,168

; PRIOR FILING DATE: 1996-08-23

; PRIOR APPLICATION NUMBER: US 08/980,872

; PRIOR FILING DATE: 1997-12-01

; NUMBER OF SEQ ID NOS: 18

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 5

; LENGTH: 2745

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: CDS

; LOCATION: (1)..(2742)

; US-09-623-624-5

Query Match 99.7%; Score 288; DB 4; Length 2745;

Best Local Similarity 99.7%; Pred. No. 7.5e-91;

Matches 288; Conservative 0; Mismatches 1; Indels 0; Gaps 0;


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; CURRENT APPLICATION NUMBER: US/09/623,624
; CURRENT FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,472
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,110
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,168
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/980,872
; PRIOR FILING DATE: 1997-12-01
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 2931
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (8)...(2746)
;
US-09-623-624-1

Query Match 69.4%; Score 200.6; DB 4; Length 2931;
Best Local Similarity 80.9%; Pred. No. 3.6e-60;
Matches 233; Conservative 0; Mismatches 55; Indels 0; Gaps 0;

QY 1 GAAATATCAACTGATGATCTGAATTTGCTGCTGACGGATGGGGAAGACAACTAT 60
DB 1204 GAAGTATCAACTGATGATGATCTGAATTTGCTGCTGACGGATGGGGAAGACAACTAT 1263
QY 61 AAGTGGGTCTTTAAGCAGGTCAAAAGTNGTCCATCCACAGTCGCTTTGGG 120
DB 1264 TAGCAGCTGCTTGACCTGGTGAAGCAGAGCGGGCCATCATCCATACAGTGGCCCTGGG 1323
QY 121 GCCCTCTGAGCTCAAGAACTAGAGAGCTGTCCAAAATGACAGGAGGTTTACAGACATA 180
DB 1324 ACCGGCTGCGCTAAAGAGCTTTGACAGCTGTCCAAAATGACAGGAGGCTTCAGACATA 1383
QY 181 TGCCTCAGATCAAGTTCAAGAACTAGAGGCTTATGATGCTTTTGGGGCCCTTTATCAGG 240
DB 1384 CTCTTCGATCAGGTTCAAGAACTAGAGGCTTATGATGCTTTTGGGGCCCTTTATCAGG 1443
QY 241 AAATGAGCTGCTCTCAGCGCTCCATCCAGCTTCAGAGTAGGATTT 288
DB 1444 AAATGCGGATGCTCTCAGCACTCCATCCAGCTTCAGAGTAGGAGT 1491

RESULT 5
US-09-049-698-16
; Sequence 16, Application US/09049698
; Patent No. 6368792
; GENERAL INFORMATION:
; APPLICANT: BILLING-MEDEL, PATRICIA A.
; APPLICANT: COHEN, MAURICE
; APPLICANT: COLPITTS, TRACEY L.
; APPLICANT: FRIEDMAN, PAULA N.
; APPLICANT: HAYDEN, MARK
; APPLICANT: KLASS, MICHAEL R.

; CURRENT APPLICATION NUMBER: US/09/623,624
; CURRENT FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,472
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,110
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,168
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/980,872
; PRIOR FILING DATE: 1997-12-01
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 2931
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (8)...(2746)
;
US-09-623-624-1

Query Match 69.4%; Score 200.6; DB 4; Length 2931;
Best Local Similarity 80.9%; Pred. No. 3.6e-60;
Matches 233; Conservative 0; Mismatches 55; Indels 0; Gaps 0;

QY 1 GAAATATCAACTGATGATCTGAATTTGCTGCTGACGGATGGGGAAGACAACTAT 60
DB 1204 GAAGTATCAACTGATGATGATCTGAATTTGCTGCTGACGGATGGGGAAGACAACTAT 1263
QY 61 AAGTGGGTCTTTAAGCAGGTCAAAAGTNGTCCATCCACAGTCGCTTTGGG 120
DB 1264 TAGCAGCTGCTTGACCTGGTGAAGCAGAGCGGGCCATCATCCATACAGTGGCCCTGGG 1323
QY 121 GCCCTCTGAGCTCAAGAACTAGAGAGCTGTCCAAAATGACAGGAGGTTTACAGACATA 180
DB 1324 ACCGGCTGCGCTAAAGAGCTTTGACAGCTGTCCAAAATGACAGGAGGCTTCAGACATA 1383
QY 181 TGCCTCAGATCAAGTTCAAGAACTAGAGGCTTATGATGCTTTTGGGGCCCTTTATCAGG 240
DB 1384 CTCTTCGATCAGGTTCAAGAACTAGAGGCTTATGATGCTTTTGGGGCCCTTTATCAGG 1443
QY 241 AAATGAGCTGCTCTCAGCGCTCCATCCAGCTTCAGAGTAGGATTT 288
DB 1444 AAATGCGGATGCTCTCAGCACTCCATCCAGCTTCAGAGTAGGAGT 1491

RESULT 5
US-09-049-698-16
; Sequence 16, Application US/09049698
; Patent No. 6368792
; GENERAL INFORMATION:
; APPLICANT: BILLING-MEDEL, PATRICIA A.
; APPLICANT: COHEN, MAURICE
; APPLICANT: COLPITTS, TRACEY L.
; APPLICANT: FRIEDMAN, PAULA N.
; APPLICANT: HAYDEN, MARK
; APPLICANT: KLASS, MICHAEL R.

; APPLICANT: ROBERTS-RAPP, LISA
; APPLICANT: RUSSELL, JOHN C.
; APPLICANT: STROUPE, STEPHEN D.
; TITLE OF INVENTION: REAGENTS AND METHODS FOR THE
; TITLE OF INVENTION: USEFUL FOR DETECTING DISEASES OF THE GASTROINTESTINAL
; TITLE OF INVENTION: TRACT
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Abbott Laboratories
; STREET: 100 Abbott Park Road
; CITY: Abbott Park
; STATE: IL
; COUNTRY: USA
; ZIP: 60064-3500
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/049,698
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/828,856
; FILING DATE: 31-MAR-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Becker, Cheryl L.
; REGISTRATION NUMBER: 35,441
; REFERENCE/DOCKET NUMBER: 6068.US.PI
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 847/935-1729
; TELEFAX: 847/938-2623
; TELEX:
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3043 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
;
US-09-049-698-16

Query Match 55.3%; Score 159.8; DB 4; Length 3043;
Best Local Similarity 73.6%; Pred. No. 7.6e-46;
Matches 203; Conservative 0; Mismatches 73; Indels 0; Gaps 0;

QY 14 GATGATCTGAATTTGCTGCTGACGGATGGGGAAGACAACTATAGTGGTCTTT 73
DB 1223 GATGATCCGAAGTACTGCTGCTGATGGGGAAGATAACACTGCAAGTTCTTGTATT 1282
QY 74 AACGAGGTCAAAACAAGTNGTCCATCCACACAGTCGCTTTGGGGCCCTCTGCAGCT 133
DB 1283 GATGAAGTGAACAAGTGGGGCCATTTGTTATTTATTTGCTTTGGGAAGAGCTGCTGAT 1342
QY 134 CAAGAAGCTAGAGGAGCTGTCCAAAATGACAGGAGGTTTACAGACATATGCTTCAGATCA 193
DB 1343 GAAGCAGTAATAGAGATGAGCAAGATAACAGGAGGAAGTCATTTTATGTTTCAGATGA 1402
QY 194 GTTCAGAACATGGGCTCATTTGATGCTTTTGGGGCCCTTTTCATCAGGAATAGAGCTGTC 253
DB 1403 GCTCAGAACATGGGCTCATTTGATGCTTTTGGGGCTTTTACATCAGGAATATGATCTC 1462
QY 254 TCTCAGCGCTCCATCCAGCTTCAGAGTAGGAGGATTA 289
DB 1463 TCCGAAAGTCCCTTCAGCTCGAAAGTAGGAGGATTA 1498

RESULT 6
US-09-049-698-18
; Sequence 18, Application US/09049698
; Patent No. 6368792
; GENERAL INFORMATION:
; APPLICANT: BILLING-MEDEL, PATRICIA A.
```

APPLICANT: COHEN, MAURICE
APPLICANT: COLPITTS, TRACEY L.
APPLICANT: FRIEDMAN, PAULA N.
APPLICANT: HAYDEN, MARK
APPLICANT: KLASS, MICHAEL R.
APPLICANT: ROBERTS-RAPP, LISA
APPLICANT: RUSSELL, JOHN C.
APPLICANT: STROUPE, STEPHEN D.
TITLE OF INVENTION: REAGENTS AND METHODS FOR THE
USEFUL FOR DETECTING DISEASES OF THE GASTROINTESTINAL
TITLE OF INVENTION: TRACT
NUMBER OF SEQUENCES: 51
CORRESPONDENCE ADDRESS:
ADDRESSEE: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/049,698
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/828,856
FILING DATE: 31-MAR-1997
ATTORNEY/AGENT INFORMATION:
NAME: Becker, Cheryl L.
REGISTRATION NUMBER: 35,441
REFERENCE/DOCKET NUMBER: 6068.US.P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/935-1729
TELEFAX: 847/938-2623
TELEX:
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 3181 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-049-698-18

Query Match 55.3%; Score 159.8; DB 4; Length 3181;
Best Local Similarity 73.6%; Pred. No. 7.8e-46;
Matches 203; Conservative 0; Mismatches 73; Indels 0; Gaps 0;

QY 14 GATGATCTGAAATGTGCTGCTGACGATGGGGAAGACACACTATAGTGGGTGCTTT 73
DB 1234 GATGATCCGAAGTACTGCTGACTGATGGGAGGATAACACTGCAAGTCTTTGTATT 1293

QY 74 AACGAGTCAACAAAGTNGTCCATCATCCACAGTGGCTTTGGGGCCCTCTCGACT 133
DB 1294 GATGAAGTGAACAAAGTGGGGCCCATTTTATTTATTTGCTTTGGGAAGAGCTGCTGAT 1353

QY 134 CAAGAATCTAGAGGAGCTGTCCAAATATGACAGAGGCTTTACAGACATATGCTTCAGATCAA 193
DB 1354 GAAGCAGTAAATAGATGAGCAAGATAACAGAGGAAGTCAATTTTATGTTTTCAGTAA 1413

QY 194 GTTCAGAACATGGCTCATGATGCTTTTGGGGCCCTTTTCATCAGGAATGGAGCTGTC 253
DB 1414 GCTCAGAACATGGGCTCATGATGCTTTTGGGGCTCTTACATCAGGAATACTGATCTC 1473

QY 254 TCTCAGGCTCCATCCAGCTTGAGAGTAAGGATT 289
DB 1474 TCCGAGAAGTCCCTTCAGCTCGAAAGTAAGGATT 1509

RESULT 7

US-09-193-562D-1
Sequence 1, Application US/09193562D
Patent No. 6309857
GENERAL INFORMATION:
APPLICANT: Pauli, Benedicht U.
TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
FILE REFERENCE: 18617.0052
CURRENT APPLICATION NUMBER: US/09/193,562D
CURRENT FILING DATE: 1998-11-17
PRIOR APPLICATION NUMBER: US/60/065,922
PRIOR FILING DATE: 1997-11-17
NUMBER OF SEQ ID NOS: 47
SEQ ID NO 1
LENGTH: 3317
TYPE: DNA
ORGANISM: Unknown
FEATURE:
OTHER INFORMATION: sequence encoding Lu-ECAM-1 and Lu-ECAM-1 associated
OTHER INFORMATION: protein from bovine endothelial cells
US-09-193-562D-1

Query Match 38.4%; Score 111; DB 4; Length 3317;
Best Local Similarity 65.1%; Pred. No. 1.1e-28;
Matches 181; Conservative 0; Mismatches 91; Indels 6; Gaps 1;

QY 11 ACTGATGATCTGAAATGTGCTGCTGACGATGGGAGACACACTATAGTGGGTGC 70
DB 1278 ACTTCTGGTTCGAAATCATACTATTAACTGATGGGAAGATAATGAAATAAATCATGTC 1337

QY 71 TTTAACGAGGTCAACAAAGTNGTCCATCATCCACAGTCCGCTTTGGGGCCCTCTGCA 130
DB 1338 TTTGAGGATGTAACACGAGTGGTGCATCATCCACACCATGCTCTGGACCCCTGCT 1397

QY 131 GCTCAAGAACTAGAGGAGCTGTCCAAATATGACAGAGGTTTACAGACATATGCTTCAGAT 190
DB 1398 GCCAAAGAACTGGAGACATTTGCTCAATATGACAGAGGATATC-----GTTTTTTTGGCC 1451

QY 191 CAAGTTCAGAACATGGCTCATTTGATGCTTTTGGGGCCCTTTCATCAGGAATAGGAGCT 250
DB 1452 AATAAGACATTAACCTGGCCCTTACTAATGCTTTTTCAGTAGAAATTTTCATCTAGAAGTGAAGC 1511

QY 251 GTCTCTCAGCGCTCCATCCAGCTTGAGAGTAAGGATT 288
DB 1512 ATCACTCAGCAGGCTATTTCAGTTGGAAGCAAGCCTT 1549

RESULT 8

US-09-193-562D-33
Sequence 33, Application US/09193562D
Patent No. 6309857
GENERAL INFORMATION:
APPLICANT: Pauli, Benedicht U.
TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
FILE REFERENCE: 18617.0052
CURRENT APPLICATION NUMBER: US/09/193,562D
CURRENT FILING DATE: 1998-11-17
PRIOR APPLICATION NUMBER: US/60/065,922
PRIOR FILING DATE: 1997-11-17
NUMBER OF SEQ ID NOS: 47
SEQ ID NO 33
LENGTH: 3022
TYPE: DNA
ORGANISM: Mus musculus
US-09-193-562D-33

Query Match 35.6%; Score 103; DB 4; Length 3022;
Best Local Similarity 63.3%; Pred. No. 6.4e-26;
Matches 176; Conservative 0; Mismatches 96; Indels 6; Gaps 1;

QY 11 ACTGATGATCTGAAATGTGCTGCTGACGATGGGGAAGACACACTATAGTGGGTGC 70
DB 1176 TCCGAGAAGTCCCTTCAGCTCGAAAGTAAGGATT 1509

Db 1230 ACTTCGGTCTGAGATCGTATTGCTGACAGATGGGGAAGATTAATGGAATACGTTCTCTGC 1289
Qy 71 TTTAAAGAGGTCAAAACAAAGTNGTGCATCCACACAGTCGCTTTGGGGCCCTCTGCA 130
Db 1290 TTTGAGGCGTCTCTCGACGGGTGCCATCATCCACACCATCGCTCTGGGGCTTCGGCT 1349
Qy 131 GCTCAAGAACTAGAGAGCTGTCCAAATGACAGAGGTTTACAGACATATGCTTCAGAT 190
Db 1350 GCCCGAAGACTGGAGACTCTGTGCGACATGACAGAGGGCTTCGTTCTATGCCAACAA 1409
Qy 191 CAAAGTTCAAGAAATGGCTCATGATGCTTTTGGGGCCCTTTCATCAGGAATGAGCT 250
Db 1410 GACCT-----AAACAGCCTTATCGATGCTTTCAGTAGAATTCATCTACAAGTGCAGC 1463
Qy 251 GTCTCTCAGCGCTCCATCCAGCTTGAGAGTAAGGATT 288
Db 1464 GTCTCCAGCAGGCTCTGCGAGTTGGAGACAAAGCCTT 1501

RESULT 9

US-09-643-597-132
; Sequence 132, Application US/09643597
; Patent No. 6426072

GENERAL INFORMATION:

; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy R.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Henderson, Robert A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.455C11
; CURRENT APPLICATION NUMBER: US/09/643,597
; CURRENT FILING DATE: 2000-08-21
; NUMBER OF SEQ ID NOS: 369
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 132
; LENGTH: 590
; TYPE: DNA
; ORGANISM: Homo sapien

US-09-643-597-132

Query Match 32.6%; Score 94.2; DB 4; Length 590;
Best Local Similarity 58.7%; Pred. No. 3.3e-23;
Matches 162; Conservative 0; Mismatches 114; Indels 0; Gaps 0;
Qy 10 AACTGATGATCTGAAATTTGCTGCTGACGATGGGGAAGACACACTATAAGTGGGTG 69
Db 12 AGCTTATGCTCTGTGATGATATTAGTACCGAGGAGATGATAAGCTTCTTGGCAATTG 71
Qy 70 CTTTAAAGAGGTCAAAACAAAGTNGTGCATCCACACAGTCGCTTTGGGGCCCTCTGC 129
Db 72 CTTACCCACTGTGCTGACGAGGTTTCAACAATTCATCCATTCGCCCTGGGTTTCATCTGC 131
Qy 130 AGCTCAAGAACTAGAGGAGCTGTCCAAATGACAGAGGTTTACAGACATATGCTTCAGA 189
Db 132 AGCCCCAAATCTGGAGGAATATACGCTTACAGAGGTTTAAAGTTCTTTGTTCCAGA 191
Qy 190 TCAAGTTCAAGAACTAGGCTCATGATGCTTTTGGGGCCCTTTCATCAGGAAATGGAGC 249
Db 192 TATATCAAACTCCAATAGCATGATGATGCTTTAGTAGAATTTCTCTGGAAGTGGAGA 251
Qy 250 TGTCTCTCAGCGCTCCATCCAGCTTGAGAGTAAGG 285
Db 252 CATTTTCCAGCAACATATTTCAGCTTGAAAGTACAGG 287

RESULT 10

US-09-480-884A-132
; Sequence 132, Application US/09480884A
; Patent No. 6482597

GENERAL INFORMATION:

; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Hosken, Nancy A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.455C6
; CURRENT APPLICATION NUMBER: US/09/480,884A
; CURRENT FILING DATE: 2001-08-27
; NUMBER OF SEQ ID NOS: 330
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 132
; LENGTH: 590
; TYPE: DNA
; ORGANISM: Homo sapien

US-09-480-884A-132

Query Match 32.6%; Score 94.2; DB 4; Length 590;
Best Local Similarity 58.7%; Pred. No. 3.3e-23;
Matches 162; Conservative 0; Mismatches 114; Indels 0; Gaps 0;
Qy 10 AACTGATGATCTGAAATTTGCTGCTGACGATGGGGAAGACACACTATAAGTGGGTG 69
Db 12 AGCTTATGCTCTGTGATGATATTAGTACCGAGGAGATGATAAGCTTCTTGGCAATTG 71
Qy 70 CTTTAAAGAGGTCAAAACAAAGTNGTGCATCCACACAGTCGCTTTGGGGCCCTCTGC 129
Db 72 CTTACCCACTGTGCTGACGAGTGTTCACAATTCATCCATTCGCCCTGGGTTTCATCTGC 131
Qy 130 AGCTCAAGAACTAGAGGAGCTGTCCAAATGACAGAGGTTTACAGACATATGCTTCAGA 189
Db 132 AGCCCCAAATCTGGAGGAATATACGCTTACAGAGGTTTAAAGTTCTTTGTTCCAGA 191
Qy 190 TCAAGTTCAAGAACTAGGCTCATGATGCTTTTGGGGCCCTTTCATCAGGAAATGGAGC 249
Db 192 TATATCAAACTCCAATAGCATGATGATGCTTTAGTAGAATTTCTCTGGAAGTGGAGA 251
Qy 250 TGTCTCTCAGCGCTCCATCCAGCTTGAGAGTAAGG 285
Db 252 CATTTTCCAGCAACATATTTCAGCTTGAAAGTACAGG 287

RESULT 11

US-09-542-615A-132
; Sequence 132, Application US/09542615A
; Patent No. 6518256

GENERAL INFORMATION:

; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy A.
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.455C8
; CURRENT APPLICATION NUMBER: US/09/542,615A
; CURRENT FILING DATE: 2000-04-14
; NUMBER OF SEQ ID NOS: 350
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 132
; LENGTH: 590
; TYPE: DNA
; ORGANISM: Homo sapien

US-09-542-615A-132

Query Match 32.6%; Score 94.2; DB 4; Length 590;

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Best Local Similarity 58.7%; Pred. No. 3.3e-23;
Matches 162; Conservative 0; Mismatches 114; Indels 0; Gaps 0;

QY 10 AACTGATGATGAAATGTGCTGCTGACGGATGGGAGACACACATATAAGTGGGTG 69
Db 12 AGCTTATGGCTGTGATGATATAGTACACGCGGAGATGATAAGTCTTGGCAATTG 71
QY 70 CTTTAAACGAGGTCAAAACAAAGTGTGCCATCATCACACAGTCGCTTTGGGGCCCTCTGC 129
Db 72 CTTACCCACTGTGCTCAGCAGTGGTTCACAAATTCACCTCCATGGCCCTGGTTTCATCTGC 131
QY 130 AGCTCAAGAACTAGAGGAGCTGTCCAAATGACAGGAGTTTACAGACATATGCTTCAGA 189
Db 132 AGCCCCAAATCTGGAGGAATATACAGTCTTACAGGAGGTTTAAAGTTCTTTGTTCCAGA 191
QY 190 TCAAGTTCAGAACTAGGCTCATGATGCTTTTGGGGCCCTTTCATCAGGAAATGGAGC 249
Db 192 TATATCAAACTCCAATAGCATGATGCTTTCAGTAGAATTTCTCTGGAACTGGAGA 251
QY 250 TGTCTCTCAGCGCTCCATCCAGCTTGAGAGTAAGG 285
Db 252 CATTTTCCAGCAACATATTCAGCTTGAAGTACAGG 287

RESULT 12
US-09-606-421B-132
; Sequence 132, Application US/09606421B
; Patent No. 6531315
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy
; APPLICANT: Fanger, Gary R.
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.455C9
; CURRENT APPLICATION NUMBER: US/09/606,421B
; CURRENT FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 358
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 132
; LENGTH: 590
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-606-421B-132

Query Match 32.6%; Score 94.2; DB 4; Length 590;
Best Local Similarity 58.7%; Pred. No. 3.3e-23;
Matches 162; Conservative 0; Mismatches 114; Indels 0; Gaps 0;

QY 10 AACTGATGATGAAATGTGCTGCTGACGGATGGGAGACACACATATAAGTGGGTG 69
Db 12 AGCTTATGGCTGTGATGATATAGTACACGCGGAGATGATAAGTCTTGGCAATTG 71
QY 70 CTTTAAACGAGGTCAAAACAAAGTGTGCCATCATCACACAGTCGCTTTGGGGCCCTCTGC 129
Db 72 CTTACCCACTGTGCTCAGCAGTGGTTCACAAATTCACCTCCATGGCCCTGGTTTCATCTGC 131
QY 130 AGCTCAAGAACTAGAGGAGCTGTCCAAATGACAGGAGTTTACAGACATATGCTTCAGA 189
Db 132 AGCCCCAAATCTGGAGGAATATACAGTCTTACAGGAGGTTTAAAGTTCTTTGTTCCAGA 191
QY 190 TCAAGTTCAGAACTAGGCTCATGATGCTTTTGGGGCCCTTTCATCAGGAAATGGAGC 249
Db 192 TATATCAAACTCCAATAGCATGATGCTTTCAGTAGAATTTCTCTGGAACTGGAGA 251
QY 250 TGTCTCTCAGCGCTCCATCCAGCTTGAGAGTAAGG 285
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RESULT 13
US-09-221-107-132
; Sequence 132, Application US/09221107
; Patent No. 6660838
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY OF LUNG CANCER
; FILE REFERENCE: 210121.455C2
; CURRENT APPLICATION NUMBER: US/09/221,107
; CURRENT FILING DATE: 1998-12-22
; NUMBER OF SEQ ID NOS: 161
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 132
; LENGTH: 590
; TYPE: DNA
; ORGANISM: Human
US-09-221-107-132

Query Match 32.6%; Score 94.2; DB 4; Length 590;
Best Local Similarity 58.7%; Pred. No. 3.3e-23;
Matches 162; Conservative 0; Mismatches 114; Indels 0; Gaps 0;

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QY 70 CTTTAAACGAGGTCAAAACAAAGTGTGCCATCATCACACAGTCGCTTTGGGGCCCTCTGC 129
Db 72 CTTACCCACTGTGCTCAGCAGTGGTTCACAAATTCACCTCCATGGCCCTGGTTTCATCTGC 131
QY 130 AGCTCAAGAACTAGAGGAGCTGTCCAAATGACAGGAGTTTACAGACATATGCTTCAGA 189
Db 132 AGCCCCAAATCTGGAGGAATATACAGTCTTACAGGAGGTTTAAAGTTCTTTGTTCCAGA 191
QY 190 TCAAGTTCAGAACTAGGCTCATGATGCTTTTGGGGCCCTTTCATCAGGAAATGGAGC 249
Db 192 TATATCAAACTCCAATAGCATGATGCTTTCAGTAGAATTTCTCTGGAACTGGAGA 251
QY 250 TGTCTCTCAGCGCTCCATCCAGCTTGAGAGTAAGG 285
Db 252 CATTTTCCAGCAACATATTCAGCTTGAAGTACAGG 287

RESULT 14
US-09-643-597-358
; Sequence 358, Application US/09643597
; Patent No. 6426072
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy
; APPLICANT: Fanger, Gary R.
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Henderson, Robert A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.455C11
; CURRENT APPLICATION NUMBER: US/09/643,597
; CURRENT FILING DATE: 2000-08-21
; NUMBER OF SEQ ID NOS: 369
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 358
; LENGTH: 2773
; TYPE: DNA
; ORGANISM: Homo sapiens
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US-09-643-597-358

Query Match 32.6%; Score 94.2; DB 4; Length 2773;

Best Local Similarity 58.7%; Pred. No. 7.5e-23;

Matches 162; Conservative 0; Mismatches 114; Indels 0; Gaps 0;

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QY 130 AGCTCAAGAACTAGAGGAGCTGTCCAAAATGACAGGAGGTTTACAGACATATGCTTTTACA 189

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QY 190 TCAAGTTTCAACAATGGCTCATTTGATGCTTTTGGGGCCCTTTTATCAGGAAATGGAGC 249

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QY 250 TGTCTCTCAGCGCTCCATCCAGCTTCAGAGTAAGGG 285

DB 1401 CATTTCCAGCAACATATTTTCAGCTTGAAGTACAGG 1436

RESULT 15

US-09-643-597-168

; Sequence 168, Application US/09643597

; Patent No. 6426072

; GENERAL INFORMATION:

; APPLICANT: Wang, Tongtong

; APPLICANT: Fan, Liqun

; APPLICANT: Kalos, Michael D.

; APPLICANT: Bangur, Chaitanya S.

; APPLICANT: Hosken, Nancy

; APPLICANT: Fanger, Gary R.

; APPLICANT: Li, Samuel X.

; APPLICANT: Wang, Aijun

; APPLICANT: Skeiky, Yasir A.W.

; APPLICANT: Henderson, Robert A.

; APPLICANT: McNeill, Patricia D.

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

; FILE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER

; FILE REFERENCE: 210121.455C11

; CURRENT APPLICATION NUMBER: US/09/643,597

; CURRENT FILING DATE: 2000-08-21

; NUMBER OF SEQ ID NOS: 369

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 168

; LENGTH: 2784

; TYPE: DNA

; ORGANISM: Homo sapien

US-09-643-597-168

Query Match

Best Local Similarity 58.7%; Score 94.2; DB 4; Length 2784;

Matches 162; Conservative 0; Mismatches 114; Indels 0; Gaps 0;

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DB 1303 AGCTTATGCTCTGTGATGATATTTAGTACCGAGGAGATGATAAGCTTCTTTGGCAATTG 1362

QY 70 CTTTAAAGAGGTCAAAACAAAGTNGTCCATCATCCACAGTCGCTTTGGGGCCCTCTGC 129

DB 1363 CTTACCCACTGTGCTCAGCAGTGGTTCAACAATTCACCTCANTGCCCTGGTTCATCTGC 1422

QY 130 AGCTCAAGAACTAGAGGAGCTGTCCAAAATGACAGGAGGTTTACAGACATATGCTTTACA 189

DB 1423 AGCCCCAAATCTGGAGGAATTATCAGCTTTACAGGAGGTTTAAAGTCTTTGTTCCAGA 1482

QY 190 TCAAGTTTCAACAATGGGCTCATTTGATGCTTTTGGGGCCCTTTTTCATCAGGAAATGGAGC 249

Db 1483 TATATCAAACTCCAATAGCATGATTGATGCTTTTCAGTAGAATTTCTCTGGAACTGGAGA 1542

QY 250 TGTCTCTCAGCGCTCCATCCAGCTTCAGAGTAAGGG 285

Db 1543 CATTTCCAGCAACATATTTTCAGCTTGAAGTACAGG 1578

Search completed: April 24, 2004, 05:01:04

Job time : 27.5649 secs

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GenCore version 5.1.6
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OM nucleic - protein search, using frame_plus_n2p model

Run on: April 21, 2004, 16:13:49 ; Search time 41.6075 Seconds
(without alignments)
3840.718 Million cell updates/sec

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Perfect score: 531
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Delop 6.0 , Delext 7.0

Searched: 1133595 seqs, 276475211 residues

Total number of hits satisfying chosen parameters: 2267190

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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-THR MIN=0 -ALIGN=15 -MODES=LOCAL -OUTFMT=ptc -NORM=ext -HEAPSIZE=500 -MINLEN=0
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-FGAPOP=6 -FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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ALIGNMENTS

RESULT 1

US-10-106-698-4628
; Sequence 4628, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptides
; FILE REFERENCE: PA005P1
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 4628
; LENGTH: 552
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-106-698-4628

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2	472	88.9	869	14	US-10-106-698-6388	Sequence 6388, Ap
3	472	88.9	914	9	US-09-823-356-8	Sequence 8, Appli
4	472	88.9	914	9	US-09-922-217-1066	Sequence 1066, Ap
5	472	88.9	914	9	US-09-833-263-1066	Sequence 1066, Ap
6	472	88.9	914	9	US-09-981-353-192	Sequence 192, App
7	472	88.9	914	11	US-09-833-245-2054	Sequence 2054, Ap
8	472	88.9	914	13	US-10-025-180-1066	Sequence 1066, Ap
9	472	88.9	914	14	US-10-055-412B-28	Sequence 28, Appli
10	472	88.9	914	14	US-10-270-595-6	Sequence 6, Appli
11	472	88.9	914	14	US-10-235-994-26	Sequence 26, Appli
12	472	88.9	914	14	US-10-060-255-42	Sequence 42, Appli
13	472	88.9	914	15	US-10-369-214-133	Sequence 133, App
14	472	88.9	925	9	US-09-764-868-635	Sequence 635, App
15	472	88.9	925	14	US-10-106-698-6248	Sequence 6248, Ap
16	472	77.6	913	14	US-10-270-595-2	Sequence 2, Appli
17	472	77.6	913	15	US-10-369-214-132	Sequence 132, App
18	315	59.3	917	9	US-09-981-353-54	Sequence 54, Appli
19	315	59.3	917	13	US-10-025-167-41	Sequence 41, Appli
20	315	59.3	917	14	US-10-235-994-16	Sequence 16, Appli
21	315	59.3	917	14	US-10-345-680-32	Sequence 32, Appli
22	315	59.3	917	15	US-10-369-214-134	Sequence 134, App
23	315	59.3	917	15	US-10-087-080-34	Sequence 34, Appli
24	315	59.3	919	9	US-09-989-722-379	Sequence 379, App
25	315	59.3	919	9	US-09-989-723-379	Sequence 379, App
26	315	59.3	919	9	US-09-989-729-379	Sequence 379, App
27	315	59.3	919	9	US-09-989-727-379	Sequence 379, App
28	315	59.3	919	9	US-09-989-731-379	Sequence 379, App
29	315	59.3	919	9	US-09-989-732-379	Sequence 379, App
30	315	59.3	919	9	US-09-991-073-379	Sequence 379, App
31	315	59.3	919	9	US-09-990-442-379	Sequence 379, App
32	315	59.3	919	9	US-09-991-163-379	Sequence 379, App
33	315	59.3	919	9	US-09-993-604-379	Sequence 379, App
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38	315	59.3	919	9	US-09-989-735-379	Sequence 379, App
39	315	59.3	919	9	US-09-990-444-379	Sequence 379, App
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41	315	59.3	919	9	US-09-989-730-379	Sequence 379, App
42	315	59.3	919	9	US-09-990-436-379	Sequence 379, App
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45	315	59.3	919	10	US-09-997-653-379	Sequence 379, App

Alignment Scores:
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Score: 472.00 Matches: 95
Percent Similarity: 98.96% Conservative: 0
Best Local Similarity: 98.96% Mismatches: 1
Query Match: 98.89% Indels: 0
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DB 57 SerGlyCyPheAsnGluValGlyGlnSerGlyAlaIleHleThrValAlaLeuGly 76
QY 122 CCTCTGCGAGCTCAAGAACTAGAGGAGCTGTCCAAAATGACAGGAGGTTTACAGACATAT 181
DB 77 ProSerAlaAlaGlnGluLeuGluLeuSerLysMetThrGlyGlyLeuGlnThrTyr 96
QY 182 GCTTCAGATCAAGTTTCAGAACAAATGCTCATTGATGCTTTGGGGCCCTTTTCATCAGGA 241
DB 97 AlaSerAspGlnValGlnAsnAsnGlyLeuIleAspAlaPheGlyAlaLeuSerSerGly 116
QY 242 AATGAGCTGTCTCTCAGCGCTCCATCCAGCTTGAGAGTAAGGGATTA 289
DB 117 AsnGlyAlaValSerGlnArgSerIleGlnLeuGluSerLysGlyLeu 132

RESULT 2
US-10-106-698-6388
; Sequence 6388, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide
; FILE REFERENCE: PA005P1
; CURRENT FILING DATE: 2002-03-27
; PRIOR FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: US/10/106,698
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 6388
; LENGTH: 869
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (14)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

US-10-106-698-6388

Alignment Scores:
Pred. No.: 1,39e-49 Length: 869
Score: 472.00 Matches: 95
Percent Similarity: 98.96% Conservative: 0
Best Local Similarity: 98.96% Mismatches: 1
Query Match: 98.89% Indels: 0
DB: 14 Gaps: 0

US-09-049-696-7 (1-289) x US-10-106-698-6388 (1-869)

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Db 374 SerGlyCyPheAsnGluValGlyGlnSerGlyAlaIleHleThrValAlaLeuGly 393
QY 122 CCTCTGCGAGCTCAAGAACTAGAGGAGCTGTCCAAAATGACAGGAGGTTTACAGACATAT 181
DB 394 ProSerAlaAlaGlnGluLeuGluLeuSerLysMetThrGlyGlyLeuGlnThrTyr 413
QY 182 GCTTCAGATCAAGTTTCAGAACAAATGCTCATTGATGCTTTGGGGCCCTTTTCATCAGGA 241
DB 414 AlaSerAspGlnValGlnAsnAsnGlyLeuIleAspAlaPheGlyAlaLeuSerSerGly 433
QY 242 AATGAGCTGTCTCTCAGCGCTCCATCCAGCTTGAGAGTAAGGGATTA 289
DB 434 AsnGlyAlaValSerGlnArgSerIleGlnLeuGluSerLysGlyLeu 449

RESULT 3
US-09-823-356-8
; Sequence 8, Application US/09823356
; Patent No. US20010025098A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Bandman, Olga
; APPLICANT: Lal, Preeti
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Yue, Henry
; APPLICANT: Corley, Neil C.
; APPLICANT: Guegler, Karl J.
; APPLICANT: Kaser, Matthew R.
; APPLICANT: Baughn, Mariah R.
; APPLICANT: Shah, Purvi
; TITLE OF INVENTION: HUMAN MEMBRANE SPANNING PROTEINS
; FILE REFERENCE: PP-0489-1 CON
; CURRENT APPLICATION NUMBER: US/09/823,356
; CURRENT FILING DATE: 2001-03-30
; PRIOR FILING DATE: 1998/039,307
; PRIOR FILING DATE: 1998 March 13
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PERL Program
; SEQ ID NO 8
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20010025098A1 1737775

US-09-823-356-8

Alignment Scores:
Pred. No.: 1,41e-49 Length: 914
Score: 472.00 Matches: 95
Percent Similarity: 98.96% Conservative: 0
Best Local Similarity: 98.96% Mismatches: 1
Query Match: 98.89% Indels: 0
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US-09-049-696-7 (1-289) x US-09-823-356-8 (1-914)

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DB 419 SerGlyCyPheAsnGluValGlyGlnSerGlyAlaIleHleThrValAlaLeuGly 438
QY 122 CCTCTGCGAGCTCAAGAACTAGAGGAGCTGTCCAAAATGACAGGAGGTTTACAGACATAT 181
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QY 242 RATGAGCTGCTCTCAGCGCTCCATCCAGCTTGAGAGTAAGGGATTA 289
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RESULT 4

US-09-922-217-1066
; Sequence 1066, Application US/09922217
; Patent No. US20020076414A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather
; APPLICANT: Benson, Darin R.
; APPLICANT: Meagher, Madeleine Joy
; APPLICANT: Stolk, John A.
; APPLICANT: Wang, Tongtong
; APPLICANT: Jiang, Yudi
; APPLICANT: Smith, Carole Lynn
; APPLICANT: King, Gordon E.
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; FILE REFERENCE: 210121.471C13
; CURRENT APPLICATION NUMBER: US/09/922,217
; CURRENT FILING DATE: 2001-08-03
; NUMBER OF SEQ ID NOS: 1124
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1066
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; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-922-217-1066

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Best Local Similarity: 98.96% Mismatches: 1
Query Match: 88.89% Indels: 0
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US-09-049-696-7 (1-289) x US-09-922-217-1066 (1-914)

QY 2 AAATATCCAAGTGGATCTGAAATTGTGCTGCTGAGCGATGGGGAACAACTATA 61
Db 399 LysTyrProThrAspGlySerGluLeuValLeuLeuThrAspGlyGluAspAsnThrIle 418
QY 62 AGTGGGTGCTTAAACGAGCTCAAAAGTNGTGCATCATCCACACAGTCGCTTTGGGG 121
Db 419 SerGlyCysPheAsnGluValLysGlnSerGlyAlaIleIleHisThrValAlaLeuGly 438
QY 122 CCCTCTGAGCTCAAGTTCAGAGCTGCTCCAAATGACAGAGGTTTACAGACATAT 181
Db 439 ProSerAlaAlaGlnGluLeuGluSerLysMetThrGlyLeuGlnThrTyr 458
QY 182 GCTTCAGATCAAGTTCAGAACTAGAGCTGCTCCAAATGACAGAGGTTTACAGACATAT 241
Db 459 AlaSerAspGlnValGlnAsnGlyLeuIleAspAlaPheGlyAlaLeuSerSerGly 478
QY 242 AATGAGCTGCTCTCAGCGCTCCATCCAGCTTGAGAGTAAGGGATTA 289
Db 479 AenGlyAlaValSerGlnArgSerIleGlnLeuGluSerLysGlyLeu 494

RESULT 5

US-09-833-263-1066
; Sequence 1066, Application US/09833263
; Patent No. US20020110547A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; APPLICANT: Stolk, John A.
; APPLICANT: Meagher, Madeleine J.

; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND
; FILE REFERENCE: 210121.471C12
; CURRENT APPLICATION NUMBER: US/09/833,263
; CURRENT FILING DATE: 2001-04-10
; NUMBER OF SEQ ID NOS: 1093
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1066
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-833-263-1066

Alignment Scores:
Pred. No.: 1,41e-49 Length: 914
Score: 472.00 Matches: 95
Percent Similarity: 98.96% Conservative: 0
Best Local Similarity: 98.96% Mismatches: 1
Query Match: 88.89% Indels: 0
DB: 9 Gaps: 0

US-09-049-696-7 (1-289) x US-09-833-263-1066 (1-914)

QY 2 AAATATCCAAGTGGATCTGAAATTGTGCTGCTGAGCGATGGGGAACAACTATA 61
Db 399 LysTyrProThrAspGlySerGluLeuValLeuLeuThrAspGlyGluAspAsnThrIle 418
QY 62 AGTGGGTGCTTAAACGAGCTCAAAAGTNGTGCATCATCCACACAGTCGCTTTGGGG 121
Db 419 SerGlyCysPheAsnGluValLysGlnSerGlyAlaIleIleHisThrValAlaLeuGly 438
QY 122 CCCTCTGAGCTCAAGTTCAGAGCTGCTCCAAATGACAGAGGTTTACAGACATAT 181
Db 439 ProSerAlaAlaGlnGluLeuGluSerLysMetThrGlyLeuGlnThrTyr 458
QY 182 GCTTCAGATCAAGTTCAGAACTAGAGCTGCTCCAAATGACAGAGGTTTACAGACATAT 241
Db 459 AlaSerAspGlnValGlnAsnGlyLeuIleAspAlaPheGlyAlaLeuSerSerGly 478
QY 242 AATGAGCTGCTCTCAGCGCTCCATCCAGCTTGAGAGTAAGGGATTA 289
Db 479 AenGlyAlaValSerGlnArgSerIleGlnLeuGluSerLysGlyLeu 494

RESULT 6

US-09-981-353-192
; Sequence 192, Application US/09981353
; Patent No. US20020160382A1
; GENERAL INFORMATION:
; APPLICANT: Lasek, Amy W.
; APPLICANT: Jones, David A.
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0038 US
; CURRENT APPLICATION NUMBER: US/09/981,353
; CURRENT FILING DATE: 2001-10-11
; NUMBER OF SEQ ID NOS: 194
; SOFTWARE: PERL Program
; SEQ ID NO 192
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20020160382A1 1737775CD1
US-09-981-353-192

Alignment Scores:
Pred. No.: 1,41e-49 Length: 914
Score: 472.00 Matches: 95
Percent Similarity: 98.96% Conservative: 0
Best Local Similarity: 98.96% Mismatches: 1
Query Match: 88.89% Indels: 0
DB: 9 Gaps: 0

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US-09-049-696-7 (1-289) x US-09-981-353-192 (1-914)
QY 2 AAATATCAACTGATGGATCTGAATTTGCTGCTGACGAGTGGGAAGACAACTATA 61
Db |||||
QY 399 LysTyrProThrAspGlySerGluIleValLeuThrAspGlyGluAspAsnThrIle 418
Db |||||
QY 62 AGTGGGTGCTTTAACGAGGTCAAAAGAGTNGTCCATCATCCACACAGTCGCTTTGGGG 121
Db |||||
QY 419 SerGlyCysPheAsnGluValLysGlnSerGlyAlaIleHleThrValAlaLeuGly 438
Db |||||
QY 122 CCTCTGCAGCTCAAGACTAGAGAGCTGTCCAAATGACAGAGGTTTACAGACATAT 181
Db |||||
QY 439 ProSerAlaAlaGlnGluLeuGluSerLysMetThrGlyGlyLeuGlnThrTyr 458
Db |||||
QY 182 GCTTCAGATCAAGTTCAAGAGCTGTCCAAATGACAGAGGTTTACAGACATAT 241
Db |||||
QY 459 AlaSerAspGlnValGlnAsnGlyLeuIleAspAlaPheGlyAlaLeuSerSerGly 478
Db |||||
QY 242 AATGAGCTGTCTCTCAGCGCTCCATCCAGCTTGAGAGTAAGGGATTA 289
Db |||||
QY 479 AsnGlyAlaValSerGlnArgSerIleGlnLeuGluSerLysGlyLeu 494
Db |||||
RESULT 7
US-09-833-245-2054
; Sequence 2054, Application US/09833245
; Publication No. US20040010134A1
; GENERAL INFORMATION:
; APPLICANT: Human Genome Sciences, Inc.
; TITLE OF INVENTION: Albumin Fusion Proteins
; FILE REFERENCE: PF546PCT
; CURRENT APPLICATION NUMBER: US/09/833,245
; CURRENT FILING DATE: 2001-04-12
; PRIOR APPLICATION NUMBER: 60/229, 358
; PRIOR FILING DATE: 2000-04-12
; PRIOR APPLICATION NUMBER: 60/256, 931
; PRIOR FILING DATE: 2000-12-21
; PRIOR APPLICATION NUMBER: 60/199, 384
; PRIOR FILING DATE: 2000-04-25
; NUMBER OF SEQ ID NOS: 2267
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2054
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-833-245-2054
Alignment Scores:
Pred. No.: 1,41e-49 Length: 914
Score: 472.00 Matches: 95
Percent Similarity: 98.96% Conservative: 0
Best Local Similarity: 98.96% Mismatches: 1
Query Match: 88.89% Indels: 0
DB: 11 Gaps: 0
US-09-049-696-7 (1-289) x US-09-833-245-2054 (1-914)
QY 2 AAATATCAACTGATGGATCTGAATTTGCTGCTGACGAGTGGGAAGACAACTATA 61
Db |||||
QY 399 LysTyrProThrAspGlySerGluIleValLeuThrAspGlyGluAspAsnThrIle 418
Db |||||
QY 62 AGTGGGTGCTTTAACGAGGTCAAAAGAGTNGTCCATCATCCACACAGTCGCTTTGGGG 121
Db |||||
QY 419 SerGlyCysPheAsnGluValLysGlnSerGlyAlaIleHleThrValAlaLeuGly 438
Db |||||
QY 122 CCTCTGCAGCTCAAGACTAGAGAGCTGTCCAAATGACAGAGGTTTACAGACATAT 181
Db |||||
QY 439 ProSerAlaAlaGlnGluLeuGluSerLysMetThrGlyGlyLeuGlnThrTyr 458
Db |||||
QY 182 GCTTCAGATCAAGTTCAAGAGCTGTCCAAATGACAGAGGTTTACAGACATAT 241
Db |||||
QY 459 AlaSerAspGlnValGlnAsnGlyLeuIleAspAlaPheGlyAlaLeuSerSerGly 478
Db |||||
QY 242 AATGAGCTGTCTCTCAGCGCTCCATCCAGCTTGAGAGTAAGGGATTA 289
Db |||||
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US-09-049-696-7 (1-289) x US-10-025-380-1066 (1-914)
QY 2 AAATATCAACTGATGGATCTGAATTTGCTGCTGACGAGTGGGAAGACAACTATA 61
Db |||||
QY 399 LysTyrProThrAspGlySerGluIleValLeuThrAspGlyGluAspAsnThrIle 418
Db |||||
QY 62 AGTGGGTGCTTTAACGAGGTCAAAAGAGTNGTCCATCATCCACACAGTCGCTTTGGGG 121
Db |||||
QY 419 SerGlyCysPheAsnGluValLysGlnSerGlyAlaIleHleThrValAlaLeuGly 438
Db |||||
QY 122 CCTCTGCAGCTCAAGACTAGAGAGCTGTCCAAATGACAGAGGTTTACAGACATAT 181
Db |||||
QY 439 ProSerAlaAlaGlnGluLeuGluSerLysMetThrGlyGlyLeuGlnThrTyr 458
Db |||||
QY 182 GCTTCAGATCAAGTTCAAGAGCTGTCCAAATGACAGAGGTTTACAGACATAT 241
Db |||||
QY 459 AlaSerAspGlnValGlnAsnGlyLeuIleAspAlaPheGlyAlaLeuSerSerGly 478
Db |||||
QY 242 AATGAGCTGTCTCTCAGCGCTCCATCCAGCTTGAGAGTAAGGGATTA 289
Db |||||
QY 479 AsnGlyAlaValSerGlnArgSerIleGlnLeuGluSerLysGlyLeu 494
Db |||||
RESULT 8
US-10-025-380-1066
; Sequence 1066, Application US/10025380
; Publication No. US20020182191A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather
; APPLICANT: Benson, Darin R.
; APPLICANT: Meagher, Madeleine Joy
; APPLICANT: Stolk, John A.
; APPLICANT: Wang, Tongtong
; APPLICANT: Jiang, Yudu
; APPLICANT: Smith, Carole L.
; APPLICANT: King, Gordon E.
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; APPLICANT: Skeiky, Yasir A. W.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Vedvick Thomas S.
; APPLICANT: Carter, Darrick
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; FILE REFERENCE: 210121.471C14
; CURRENT APPLICATION NUMBER: US/10/025,380
; CURRENT FILING DATE: 2001-12-19
; NUMBER OF SEQ ID NOS: 1129
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1066
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-025-380-1066
Alignment Scores:
Pred. No.: 1,41e-49 Length: 914
Score: 472.00 Matches: 95
Percent Similarity: 98.96% Conservative: 0
Best Local Similarity: 98.96% Mismatches: 1
Query Match: 88.89% Indels: 0
DB: 13 Gaps: 0
US-09-049-696-7 (1-289) x US-10-025-380-1066 (1-914)
QY 2 AAATATCAACTGATGGATCTGAATTTGCTGCTGACGAGTGGGAAGACAACTATA 61
Db |||||
QY 399 LysTyrProThrAspGlySerGluIleValLeuThrAspGlyGluAspAsnThrIle 418
Db |||||
QY 62 AGTGGGTGCTTTAACGAGGTCAAAAGAGTNGTCCATCATCCACACAGTCGCTTTGGGG 121
Db |||||
QY 419 SerGlyCysPheAsnGluValLysGlnSerGlyAlaIleHleThrValAlaLeuGly 438
Db |||||
QY 122 CCTCTGCAGCTCAAGACTAGAGAGCTGTCCAAATGACAGAGGTTTACAGACATAT 181
Db |||||
QY 439 ProSerAlaAlaGlnGluLeuGluSerLysMetThrGlyGlyLeuGlnThrTyr 458
Db |||||
QY 182 GCTTCAGATCAAGTTCAAGAGCTGTCCAAATGACAGAGGTTTACAGACATAT 241
Db |||||
QY 459 AlaSerAspGlnValGlnAsnGlyLeuIleAspAlaPheGlyAlaLeuSerSerGly 478
Db |||||
QY 242 AATGAGCTGTCTCTCAGCGCTCCATCCAGCTTGAGAGTAAGGGATTA 289
Db |||||
QY 479 AsnGlyAlaValSerGlnArgSerIleGlnLeuGluSerLysGlyLeu 494
Db |||||
RESULT 9
US-10-055-412B-28
; Sequence 28, Application US/10055412B
; Publication No. US20030059861A1
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
```

; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; FILE REFERENCE: 18617.0058
; CURRENT APPLICATION NUMBER: US/10/055,412B
; PRIOR FILING DATE: 2001-10-29
; PRIOR APPLICATION NUMBER: US/09/193,562
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 28
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-055-412B-28

Alignment Scores:
Pred. No.: 1.41e-49 Length: 914
Score: 472.00 Matches: 95
Percent Similarity: 98.96% Conservative: 0
Best Local Similarity: 98.96% Mismatches: 1
Query Match: 88.89% Indels: 0
DB: 14 Gaps: 0

US-09-049-696-7 (1-289) x US-10-055-412B-28 (1-914)

QY 2 AAATATCCAACTGATGGATCTGAAATTGCTGCTGACGGATGGGGAACACACTATA 61
Db 399 LysTyrProThrAspGlySerGluileValLeuLeuThrAspGlyGluAspAnThrile 418
QY 62 AGTGGGTGCTTTAAAGAGGTCAAAAGTNGTGCATCATCCACAGTCCGCTTTGGGG 121
Db 419 SerGlyCyPheAsnGluValLysGlnSerGlyAlaileHleHisThrValAlaLeuGly 438
QY 122 CCTCTGAGCTCAAGAACTAGACAGAGCTGTCCAAAATGACAGAGGTTTACAGACATAT 181
Db 439 ProSerAlaAlaGlnGluLeuGluLeuSerLysMetThrGlyLeuGlnThrTyr 458
QY 182 GCTTCAGATCAAGTTTCAGAACAAATGCTCATGATGCTTTTGGGGCCCTTTTCATCAGGA 241
Db 459 AlaSerAspGlnValGlnAsnAsnGlyLeuileAspAlaPheGlyAlaLeuSerSerGly 478
QY 242 AATGAGCTGTCTTCAGCGCTCCATCCAGCTTGAGAGTAAGGGATTA 289
Db 479 AsnGlyAlaValSerGlnArgSerileGlnLeuGluSerLysGlyLeu 494

RESULT 10
US-10-270-595-6
; Sequence 6, Application US/10270595
; Publication No. US20030078409A1
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/10/270,595
; PRIOR FILING DATE: 2002-10-16
; PRIOR APPLICATION NUMBER: US/09/623,624
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,472

; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; PRIOR FILING DATE: 1996-08-23
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-270-595-6

Alignment Scores:
Pred. No.: 1.41e-49 Length: 914
Score: 472.00 Matches: 95
Percent Similarity: 98.96% Conservative: 0
Best Local Similarity: 98.96% Mismatches: 1
Query Match: 88.89% Indels: 0
DB: 14 Gaps: 0

US-09-049-696-7 (1-289) x US-10-270-595-6 (1-914)

QY 2 AAATATCCAACTGATGGATCTGAAATTGCTGCTGACGGATGGGGAACACACTATA 61
Db 399 LysTyrProThrAspGlySerGluileValLeuLeuThrAspGlyGluAspAnThrile 418
QY 62 AGTGGGTGCTTTAAAGAGGTCAAAAGTNGTGCATCATCCACAGTCCGCTTTGGGG 121
Db 419 SerGlyCyPheAsnGluValLysGlnSerGlyAlaileHleHisThrValAlaLeuGly 438
QY 122 CCTCTGAGCTCAAGAACTAGACAGAGCTGTCCAAAATGACAGAGGTTTACAGACATAT 181
Db 439 ProSerAlaAlaGlnGluLeuGluLeuSerLysMetThrGlyLeuGlnThrTyr 458
QY 182 GCTTCAGATCAAGTTTCAGAACAAATGCTCATGATGCTTTTGGGGCCCTTTTCATCAGGA 241
Db 459 AlaSerAspGlnValGlnAsnAsnGlyLeuileAspAlaPheGlyAlaLeuSerSerGly 478
QY 242 AATGAGCTGTCTTCAGCGCTCCATCCAGCTTGAGAGTAAGGGATTA 289
Db 479 AsnGlyAlaValSerGlnArgSerileGlnLeuGluSerLysGlyLeu 494

RESULT 11
US-10-235-994-26
; Sequence 26, Application US/10235994
; Publication No. US20030101002A1
; GENERAL INFORMATION:
; APPLICANT: Bartha, Gabor
; TITLE OF INVENTION: METHODS FOR ANALYZING GENE EXPRESSION PATTERNS
; FILE REFERENCE: ICYTP012
; CURRENT APPLICATION NUMBER: US/10/235,994
; CURRENT FILING DATE: 2002-09-04
; PRIOR APPLICATION NUMBER: US/10/003,608
; PRIOR FILING DATE: 2001-11-01
; PRIOR APPLICATION NUMBER: 60/245,081
; PRIOR FILING DATE: 2000-11-01
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 26
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Human
US-10-235-994-26

Alignment Scores:
Pred. No.: 1.41e-49 Length: 914
Score: 472.00 Matches: 95
Percent Similarity: 98.96% Conservative: 0
Best Local Similarity: 98.96% Mismatches: 1
Query Match: 88.89% Indels: 0

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DB: 14 Gaps: 0
US-09-049-696-7 (1-289) x US-10-235-994-26 (1-914)
QY 2 AAATATCAACTGATGATCTGAATTTGCTGCTGACGGATGGGGAAGACAACTATA 61
DB 399 LysTyrProThrAspGlySerGluLeuValLeuLeuThrAspGlyGluAsnThrIle 418
QY 62 AGTGGTGCTTTAAACGAGGTCAAAAGTNGTGCATCCACACAGTCGCTTTGGGG 121
DB 419 SerGlyCysPheAsnGluValysGlnSerGlyAlaIleHleHisThrValAlaLeuGly 438
QY 122 CCTCTGCAGCTCAAGAACTAGAGAGCTGTCCAAATGACAGAGGTTTACAGACATAT 181
DB 439 ProSerAlaAlaGlnGluLeuGluGluSerLysMetThrGlyGlyLeuGlnThrTyr 458
QY 182 GCTTCAGATCAAGTTTCAGAACAAATGGCTCATTTGGGGCCCTTTTCATCAGGA 241
DB 459 AlaSerAspGlnValGlnAsnAsnGlyLeuIleAspAlaPheGlyAlaLeuSerSerGly 478
QY 242 AATGAGCTGTCTCTCAGCGCTCCATCCAGCTTGAGACTAAGGGATTA 289
DB 479 AsnGlyAlaValSerGlnArgSerIleGlnLeuGluSerLysGlyLeu 494
RESULT 12
US-10-060-255-42
; Sequence 42, Application US/10060255
; Publication No. US20030113840A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 25 Human secreted proteins
; FILE REFERENCE: PZ042P1
; CURRENT APPLICATION NUMBER: US/10/060,255
; CURRENT FILING DATE: 2002-02-01
; PRIOR APPLICATION NUMBER: 09/781,417
; PRIOR FILING DATE: 2001-02-13
; PRIOR APPLICATION NUMBER: PCT/US00/22325
; PRIOR FILING DATE: 2000-08-16
; PRIOR APPLICATION NUMBER: 60/149,182
; PRIOR FILING DATE: 1999-08-17
; NUMBER OF SEQ ID NOS: 86
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 42
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-060-255-42
Alignment Scores:
Pred. No.: 1,41e-49 Length: 914
Score: 472.00 Matches: 95
Percent Similarity: 98.96% Conservative: 0
Best Local Similarity: 98.96% Mismatches: 1
Query Match: 88.89% Indels: 0
DB: 14 Gaps: 0
US-09-049-696-7 (1-289) x US-10-060-255-42 (1-914)
QY 2 AAATATCAACTGATGATCTGAATTTGCTGCTGACGGATGGGGAAGACAACTATA 61
DB 399 LysTyrProThrAspGlySerGluLeuValLeuLeuThrAspGlyGluAsnThrIle 418
QY 62 AGTGGTGCTTTAAACGAGGTCAAAAGTNGTGCATCCACACAGTCGCTTTGGGG 121
DB 419 SerGlyCysPheAsnGluValysGlnSerGlyAlaIleHleHisThrValAlaLeuGly 438
QY 122 CCTCTGCAGCTCAAGAACTAGAGAGCTGTCCAAATGACAGAGGTTTACAGACATAT 181
DB 439 ProSerAlaAlaGlnGluLeuGluGluSerLysMetThrGlyGlyLeuGlnThrTyr 458
QY 182 GCTTCAGATCAAGTTTCAGAACAAATGGCTCATTTGGGGCCCTTTTCATCAGGA 241
DB 459 AlaSerAspGlnValGlnAsnAsnGlyLeuIleAspAlaPheGlyAlaLeuSerSerGly 478
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QY 242 AATGAGCTGTCTCTCAGCGCTCCATCCAGCTTGAGACTAAGGGATTA 289
DB 479 AsnGlyAlaValSerGlnArgSerIleGlnLeuGluSerLysGlyLeu 494
RESULT 13
US-10-369-214-133
; Sequence 133, Application US/10369214
; Publication No. US20030232037A1
; GENERAL INFORMATION:
; APPLICANT: Groot, Pieter C.
; APPLICANT: Berghenhegouwen van, Bram J.
; APPLICANT: Oosterhout van, Antoon J.M.
; TITLE OF INVENTION: Genes involved in immune related responses observed
; FILE REFERENCE: PS3837US00
; CURRENT APPLICATION NUMBER: US/10/369,214
; CURRENT FILING DATE: 2003-02-15
; PRIOR APPLICATION NUMBER: EP 00202867.8
; PRIOR FILING DATE: 2000-08-16
; PRIOR APPLICATION NUMBER: PCT/NL01/00610
; PRIOR FILING DATE: 2001-08-16
; NUMBER OF SEQ ID NOS: 139
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 133
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (1)..(914)
; OTHER INFORMATION: /note="Human CLCA1"
US-10-369-214-133
Alignment Scores:
Pred. No.: 1,41e-49 Length: 914
Score: 472.00 Matches: 95
Percent Similarity: 98.96% Conservative: 0
Best Local Similarity: 98.96% Mismatches: 1
Query Match: 88.89% Indels: 0
DB: 15 Gaps: 0
US-09-049-696-7 (1-289) x US-10-369-214-133 (1-914)
QY 2 AAATATCAACTGATGATCTGAATTTGCTGCTGACGGATGGGGAAGACAACTATA 61
DB 399 LysTyrProThrAspGlySerGluLeuValLeuLeuThrAspGlyGluAsnThrIle 418
QY 62 AGTGGTGCTTTAAACGAGGTCAAAAGTNGTGCATCCACACAGTCGCTTTGGGG 121
DB 419 SerGlyCysPheAsnGluValysGlnSerGlyAlaIleHleHisThrValAlaLeuGly 438
QY 122 CCTCTGCAGCTCAAGAACTAGAGAGCTGTCCAAATGACAGAGGTTTACAGACATAT 181
DB 439 ProSerAlaAlaGlnGluLeuGluGluSerLysMetThrGlyGlyLeuGlnThrTyr 458
QY 182 GCTTCAGATCAAGTTTCAGAACAAATGGCTCATTTGGGGCCCTTTTCATCAGGA 241
DB 459 AlaSerAspGlnValGlnAsnAsnGlyLeuIleAspAlaPheGlyAlaLeuSerSerGly 478
QY 242 AATGAGCTGTCTCTCAGCGCTCCATCCAGCTTGAGACTAAGGGATTA 289
DB 479 AsnGlyAlaValSerGlnArgSerIleGlnLeuGluSerLysGlyLeu 494
RESULT 14
US-09-764-868-635
; Sequence 635, Application US/09764868
; Patent No. US20020168711A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PTZ32
; CURRENT APPLICATION NUMBER: US/09/764,868
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;
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 1510
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 635
; LENGTH: 925
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-764-868-635

Alignment Scores:
Pred. No.: 1,428-49 Length: 925
Score: 472.00 Matches: 95
Percent Similarity: 98.96% Conservative: 0
Best Local Similarity: 98.96% Mismatches: 1
Query Match: 88.89% Indels: 0
DB: 9 Gaps: 0

US-09-049-696-7 (1-289) x US-09-764-868-635 (1-925)

QY	2	AAATATCCAAC	TGATGGATCTG	AAATTGCTGCTG	CGATGGGGA	CAACACTATA	61
Db	410	LysTyrProThr	AspGlySerGlu	ileValLeuLeu	ThrAspGly	GluAspThrIle	429
QY	62	AGTGGTGCTT	TAACGAGGTCA	AAAGTNGTGC	ATCATCCAC	ACAGTCCGCTTTGGGG	121
Db	430	SerGlyCysPhe	AsnGluValLys	GlnSerGly	AlaIleIle	HisThrValAlaLeuGly	449
QY	122	CCCTCTGAG	CTCAGACTAG	AGGAGCTGT	CCAAAATC	ACAGGAGGTTTACAGACATAT	181
Db	450	ProSerAla	AlaGlnGlu	LeuGluLeu	SerLysMet	ThrGlyGlyLeuGlnThrTyr	469
QY	182	GCTTCAGAT	CAAGTTCAG	AAACAATGC	CTCATGTG	CTTTTGGGCCCTTTTCATCAGGA	241
Db	470	AlaSerAsp	GlnValGln	AsnAsnGly	LeuIleAsp	AlaPheGlyAlaLeuSerSerGly	489
QY	242	AATGAGCTG	CTCTCAGCG	CTCCATCC	AGCTTGAG	AGTAAGGGATTA	289
Db	490	AsnGlyAla	ValSerGln	ArgSerIle	GlnLeuGlu	SerLysGlyLeu	505

RESULT 15

US-10-106-698-6248
; Sequence 6248, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide
; FILE REFERENCE: PA005PI
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 6248
; LENGTH: 925
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-106-698-6248

Alignment Scores:
Pred. No.: 1,428-49 Length: 925
Score: 472.00 Matches: 95
Percent Similarity: 98.96% Conservative: 0
Best Local Similarity: 98.96% Mismatches: 1
Query Match: 88.89% Indels: 0
DB: 14 Gaps: 0

US-09-049-696-7 (1-289) x US-10-106-698-6248 (1-925)

Search completed: April 21, 2004, 16:38:52
Job time : 44.6075 secs

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QY	62	AGTGGTGCTT	TAACGAGGTCA	AAAGTNGTGC	ATCATCCAC	ACAGTCCGCTTTGGGG	121
Db	430	SerGlyCysPhe	AsnGluValLys	GlnSerGly	AlaIleIle	HisThrValAlaLeuGly	449
QY	122	CCCTCTGAG	CTCAGACTAG	AGGAGCTGT	CCAAAATC	ACAGGAGGTTTACAGACATAT	181
Db	450	ProSerAla	AlaGlnGlu	LeuGluLeu	SerLysMet	ThrGlyGlyLeuGlnThrTyr	469
QY	182	GCTTCAGAT	CAAGTTCAG	AAACAATGC	CTCATGTG	CTTTTGGGCCCTTTTCATCAGGA	241
Db	470	AlaSerAsp	GlnValGln	AsnAsnGly	LeuIleAsp	AlaPheGlyAlaLeuSerSerGly	489
QY	242	AATGAGCTG	CTCTCAGCG	CTCCATCC	AGCTTGAG	AGTAAGGGATTA	289
Db	490	AsnGlyAla	ValSerGln	ArgSerIle	GlnLeuGlu	SerLysGlyLeu	505

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OM nucleic - protein search, using frame_plus_n2p model

Run on: April 21, 2004, 16:13:29 ; Search time 14.7475 Seconds
(without alignments)
2023.381 Million cell updates/sec

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Perfect score: 531
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Ygapop 10.0, Ygapext 0.5
Fgapop 6.0, Fgapext 7.0
Delop 6.0, Delext 7.0

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 778828

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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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Database : Issued Patents AA:
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4: /cg2_6/ptodata/2/iaa/6B.COMB.pep.*
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6: /cg2_6/ptodata/2/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	472	88.9	914	4	US-09-193-562D-28
2	472	88.9	914	4	US-09-623-624-6
3	412	77.6	913	4	US-09-623-624-2
4	315	59.3	917	4	US-09-049-698-41
5	285	53.7	903	4	US-09-193-562D-46
6	284	53.5	903	4	US-09-623-624-18
7	281	52.9	902	4	US-09-193-562D-34
8	276	52.0	795	4	US-09-193-562D-11
9	276	52.0	821	4	US-09-193-562D-12
10	276	52.0	905	4	US-09-193-562D-2
11	262	49.3	1000	4	US-09-193-562D-30
12	218	41.1	592	4	US-09-643-597-169

13	218	41.1	592	4	US-09-480-884A-169	Sequence 169, App
14	218	41.1	592	4	US-09-542-615A-169	Sequence 169, App
15	218	41.1	592	4	US-09-606-421B-169	Sequence 169, App
16	218	41.1	791	4	US-09-643-597-170	Sequence 170, App
17	218	41.1	791	4	US-09-480-884A-170	Sequence 170, App
18	218	41.1	791	4	US-09-542-615A-170	Sequence 170, App
19	218	41.1	791	4	US-09-606-421B-170	Sequence 170, App
20	218	41.1	920	4	US-09-643-597-357	Sequence 357, App
21	218	41.1	942	4	US-09-919-172-87	Sequence 87, Appl
22	218	41.1	943	4	US-09-193-562D-32	Sequence 32, Appl
23	218	41.1	943	4	US-09-643-597-161	Sequence 161, App
24	218	41.1	943	4	US-09-480-884A-161	Sequence 161, App
25	218	41.1	943	4	US-09-542-615A-161	Sequence 161, App
26	218	41.1	943	4	US-09-606-421B-161	Sequence 161, App
27	218	41.1	943	4	US-09-623-624-4	Sequence 4, Appl
28	218	41.1	943	4	US-09-221-107-161	Sequence 161, App
29	117	22.0	25	4	US-09-623-624-15	Sequence 15, Appl
30	70.5	13.3	777	2	US-08-477-396A-4	Sequence 4, Appl
31	68.5	12.9	212	2	US-08-477-396A-2	Sequence 2, Appl
32	66.5	12.5	189	3	US-09-123-492A-1	Sequence 1, Appl
33	66.5	12.5	779	1	US-08-426-627-4	Sequence 4, Appl
34	66.5	12.5	779	1	US-08-426-627-24	Sequence 24, Appl
35	66.5	12.5	836	1	US-08-426-627-6	Sequence 6, Appl
36	66.5	12.5	837	1	US-08-426-627-23	Sequence 23, Appl
37	66	12.4	709	4	US-09-328-352-5172	Sequence 5172, Ap
38	65	12.2	436	4	US-09-328-352-4416	Sequence 4416, Ap
39	65	12.2	1437	3	US-09-061-400-2	Sequence 2, Appl
40	65	12.2	1453	2	US-09-001-273-2	Sequence 2, Appl
41	65	12.2	1453	3	US-08-843-459A-2	Sequence 2, Appl
42	64.5	12.1	151	2	US-08-387-942C-46	Sequence 46, Appl
43	64.5	12.1	546	4	US-09-345-236B-98	Sequence 98, Appl
44	64.5	12.1	546	4	US-09-345-236B-121	Sequence 121, App
45	64.5	12.1	810	4	US-09-252-991A-17494	Sequence 17494, A

ALIGNMENTS

RESULT 1
US-09-193-562D-28
; Sequence 28, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Paulli, Benedict U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; FILE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; CURRENT FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 28
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-193-562D-28

Alignment Scores:
Pred. No.: 2,69e-52 Length: 914
Score: 472.00 Matches: 95
Percent Similarity: 98.96% Conservative: 0
Best Local Similarity: 98.96% Mismatches: 1
Query Match: 88.89% Indels: 0
DB: 4 Gaps: 0

US-09-049-696-7 (1-289) x US-09-193-562D-28 (1-914)

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QY	62	ATGGGTGTTTAAACGAGTCAACAAAGTGTGTCATCATCACACAGTCGCTTTGGG	121

Db 419 SerGlyCysPheAsnGluValLysGlnSerGlyAlaIleHisThrValAlaLeuGly 438
QY 122 CCTCTGAGCTCAAGAACTAGAGGCTCTCCAAATGACAGGAGTTTACAGACATAT 181
Db 439 ProSerAlaAlaGlnGluLeuGluLeuSerLysMetThrGlyGlyLeuGlnThrTyr 458
QY 182 GCTTCAGATCAAGTTCAGAACAAATGCCCTCAATTGATGCTTTTGGGGCCCTTTTCATCAGGA 241
Db 459 AlaSerAspGlnValGlnAsnGlyLeuIleAspAlaPheGlyAlaLeuSerSerGly 478
QY 242 AATGAGCTGTCTCTCAGCGCTCCATCCAGCTTGAGAGTAAGGGATTA 289
Db 479 AsnGlyAlaValSerGlnArgSerIleGlnLeuGluSerLysGlyLeu 494

RESULT 2

US-09-623-624-6
; Sequence 6, Application US/09623624
; Patent No. 6576434
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/09/623,624
; CURRENT FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,472
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,110
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,168
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/980,872
; PRIOR FILING DATE: 1997-12-01
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-623-624-6

Alignment Scores:
Pred. No.: 2,696-52 Length: 914
Score: 472.00 Matches: 95
Percent Similarity: 98.96% Conservative: 0
Best Local Similarity: 98.96% Mismatches: 1
Query Match: 88.89% Indels: 0
DB: 4 Gaps: 0

US-09-049-696-7 (1-289) x US-09-623-624-6 (1-914)

QY 2 AAATATCAACTGATGATCTGAATTTGCTGTCGACGATGGGAGACAACTATA 61
Db 399 LysTyrProThrAspGlySerGluIleValLeuLeuThrAspGlyGlyLeuAspAsnThrIle 418
QY 62 AGTGGGTGCTTTAAACGAGGTCAAAACAAAGTNGTCCATCATCCACACAGTCTTTGGGG 121

Db 419 SerGlyCysPheAsnGluValLysGlnSerGlyAlaIleHisThrValAlaLeuGly 438
QY 122 CCTCTGAGCTCAAGAACTAGAGGCTCTCCAAATGACAGGAGTTTACAGACATAT 181
Db 439 ProSerAlaAlaGlnGluLeuGluLeuSerLysMetThrGlyGlyLeuGlnThrTyr 458
QY 182 GCTTCAGATCAAGTTCAGAACAAATGCCCTCAATTGATGCTTTTGGGGCCCTTTTCATCAGGA 241
Db 459 AlaSerAspGlnValGlnAsnGlyLeuIleAspAlaPheGlyAlaLeuSerSerGly 478
QY 242 AATGAGCTGTCTCTCAGCGCTCCATCCAGCTTGAGAGTAAGGGATTA 289
Db 479 AsnGlyAlaValSerGlnArgSerIleGlnLeuGluSerLysGlyLeu 494

RESULT 3

US-09-623-624-2
; Sequence 2, Application US/09623624
; Patent No. 6576434
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/09/623,624
; CURRENT FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,472
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,110
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,168
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/980,872
; PRIOR FILING DATE: 1997-12-01
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 913
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-623-624-2

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Pred. No.: 1,516-44 Length: 913
Score: 412.00 Matches: 80
Percent Similarity: 93.75% Conservative: 10
Best Local Similarity: 83.33% Mismatches: 6
Query Match: 77.59% Indels: 0
DB: 4 Gaps: 0

US-09-049-696-7 (1-289) x US-09-623-624-2 (1-913)

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Db 400 LysTyrProThrAspGlySerGluIleValLeuLeuThrAspGlyGlyLeuAspAsnThrIle 419

191	CAAGTTTCAGACAAATGGCTCATGTAGCTTTTGGGCCCTTTCATCAGAAATGAGCT	250
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Db		
465	AspIle-----AsnGlyIleuthrAsnAlaPheSerArgIleSerSerArgSerGlySer	482
QY		
251	GTCTCTCAGCGCTCCATCCAGCTTTGAGAGTAAGGGATTA	289
QY		
Db		
483	IlethrGlnGlnThrIleGlnLeuGlnSerIysAlaLeu	495
QY		
Db		

RESULT 6

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US-09-623-624-18
/ Sequence 18, Application US/09623624
/ Patent No. 6576434
/ GENERAL INFORMATION:
/ APPLICANT: Magainin Pharmaceuticals, Inc.
/ TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
/ TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
/ TITLE OF INVENTION: Disorders
/ FILE REFERENCE: 36870-5073-WO
/ CURRENT APPLICATION NUMBER: US/09/623,624
/ CURRENT FILING DATE: 2000-09-06
/ PRIOR APPLICATION NUMBER: PCT/US99/04703
/ PRIOR FILING DATE: 1999-03-03
/ PRIOR APPLICATION NUMBER: US/08/697,360
/ PRIOR FILING DATE: 1996-08-23
/ PRIOR APPLICATION NUMBER: US/08/697,419
/ PRIOR FILING DATE: 1996-08-23
/ PRIOR APPLICATION NUMBER: US/08/697,440
/ PRIOR FILING DATE: 1996-08-23
/ PRIOR APPLICATION NUMBER: US/08/697,471
/ PRIOR FILING DATE: 1996-08-23
/ PRIOR APPLICATION NUMBER: US/08/697,471
/ PRIOR FILING DATE: 1996-08-23
/ PRIOR APPLICATION NUMBER: US/08/697,472
/ PRIOR FILING DATE: 1996-08-23
/ PRIOR APPLICATION NUMBER: US/08/697,473
/ PRIOR FILING DATE: 1996-08-23
/ PRIOR APPLICATION NUMBER: US/08/702,105
/ PRIOR FILING DATE: 1996-08-23
/ PRIOR APPLICATION NUMBER: US/08/702,110
/ PRIOR FILING DATE: 1996-08-23
/ PRIOR APPLICATION NUMBER: US/08/702,168
/ PRIOR FILING DATE: 1996-08-23
/ PRIOR APPLICATION NUMBER: US/08/980,872
/ PRIOR FILING DATE: 1997-12-01
/ NUMBER OF SEQ ID NOS: 18
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 18
/ LENGTH: 903
/ TYPE: PRT
/ ORGANISM: Bos taurus
US-09-623-624-18

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RESULT 8

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1200001:
US/09-193-562D-11
;
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; Sequence 11, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedict U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617, 0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; CURRENT FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47

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; SEQ ID NO 11
; LENGTH: 795
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Variant of Lu-ECAM-1 from bovine endothelial cells
US-09-193-562D-11

Alignment Scores:
Pred. No.:          5.27e-27      Length:      795
Score:             276.00        Matches:    55
Percent Similarity: 78.49%      Conservative: 18
Best Local Similarity: 59.14%   Mismatches: 18
Query Match:       51.98%       Indels:    2
DB:                4           Gaps:      1

US-09-049-696-7 (1-289) x US-09-193-562D-11 (1-795)

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Db 406 ThrSerGlySerGluLeuThrAspGlyGluAspAsnGluLeuAenSerCys 425
QY 71 TTAAACGAGTCAAAAGAGTNGTCCATCCACACAGTGCCTTTGGGGCCCTCTGCA 130
Db 426 PheGluAspValysArgSerGlyAlaIleHisThrIleAlaLeuGlyProSerAla 445
QY 131 GCTCAAGAACTAGAGGAGCTGTCCAAAATGACAGAGGTTTACAGACATATGCTTCAGAT 190
Db 446 AlaLysGluLeuGluThrLysSerAsnMetThrGlyGlyTyArgPhePheAlaAenLys 465
QY 191 CAAGTTCAACAATGGCCTCATTCATGCTTTTGGGGCCCTTTTCATCAGAAATGGAGCT 250
Db 466 AspIle-----ThrGlyLeuThrAsnAlaPheSerArgIleSerArgSerGlySer 483
QY 251 GTCTCTCAGCGCTCCATCCAGCTTGAGAGTAAGGGATTA 289
Db 484 IleThrGlnGlnAlaIleGlnLeuGluSerLysAlaLeu 496

RESULT 9
US-09-193-562D-12
; Sequence 12, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; PRIOR FILING DATE: 1998-11-17
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 12
; LENGTH: 821
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Variant of Lu-ECAM-1 from bovine endothelial cells
US-09-193-562D-12

Alignment Scores:
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Score:             276.00        Matches:    55
Percent Similarity: 78.49%      Conservative: 18
Best Local Similarity: 59.14%   Mismatches: 18
Query Match:       51.98%       Indels:    2
DB:                4           Gaps:      1

US-09-049-696-7 (1-289) x US-09-193-562D-12 (1-821)

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Db 406 ThrSerGlySerGluLeuThrAspGlyGluAspAsnGluLeuAenSerCys 425
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QY 71 TTAAACGAGTCAAAAGAGTNGTCCATCCACACAGTGCCTTTGGGGCCCTCTGCA 130
Db 426 PheGluAspValysArgSerGlyAlaIleHisThrIleAlaLeuGlyProSerAla 445
QY 131 GCTCAAGAACTAGAGGAGCTGTCCAAAATGACAGAGGTTTACAGACATATGCTTCAGAT 190
Db 446 AlaLysGluLeuGluThrLysSerAsnMetThrGlyGlyTyArgPhePheAlaAenLys 465
QY 191 CAAGTTCAACAATGGCCTCATTCATGCTTTTGGGGCCCTTTTCATCAGAAATGGAGCT 250
Db 466 AspIle-----ThrGlyLeuThrAsnAlaPheSerArgIleSerArgSerGlySer 483
QY 251 GTCTCTCAGCGCTCCATCCAGCTTGAGAGTAAGGGATTA 289
Db 484 IleThrGlnGlnAlaIleGlnLeuGluSerLysAlaLeu 496

RESULT 10
US-09-193-562D-2
; Sequence 2, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; PRIOR FILING DATE: 1998-11-17
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 2
; LENGTH: 905
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Lu-ECAM-1 precursor from bovine endothelial cells
US-09-193-562D-2

Alignment Scores:
Pred. No.:          5.48e-27      Length:      905
Score:             276.00        Matches:    55
Percent Similarity: 78.49%      Conservative: 18
Best Local Similarity: 59.14%   Mismatches: 18
Query Match:       51.98%       Indels:    2
DB:                4           Gaps:      1

US-09-049-696-7 (1-289) x US-09-193-562D-2 (1-905)

QY 11 ACTGATGGATCTGAATTCGCTGACGGATGGGGAACAACTATAAGTGGTGC 70
Db 406 ThrSerGlySerGluLeuThrAspGlyGluAspAsnGluLeuAenSerCys 425
QY 71 TTAAACGAGTCAAAAGAGTNGTCCATCCACACAGTGCCTTTGGGGCCCTCTGCA 130
Db 426 PheGluAspValysArgSerGlyAlaIleHisThrIleAlaLeuGlyProSerAla 445
QY 131 GCTCAAGAACTAGAGGAGCTGTCCAAAATGACAGAGGTTTACAGACATATGCTTCAGAT 190
Db 446 AlaLysGluLeuGluThrLysSerAsnMetThrGlyGlyTyArgPhePheAlaAenLys 465
QY 191 CAAGTTCAACAATGGCCTCATTCATGCTTTTGGGGCCCTTTTCATCAGAAATGGAGCT 250
Db 466 AspIle-----ThrGlyLeuThrAsnAlaPheSerArgIleSerArgSerGlySer 483
QY 251 GTCTCTCAGCGCTCCATCCAGCTTGAGAGTAAGGGATTA 289
Db 484 IleThrGlnGlnAlaIleGlnLeuGluSerLysAlaLeu 496

RESULT 11
US-09-193-562D-30
; Sequence 30, Application US/09193562D
; Patent No. 6309857
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; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; CURRENT FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 30
; LENGTH: 1000
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-193-562D-30

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QY 77 GAGGTCAAAAGTNGTCCATCATCCACAGATCGCTTTGGGGCCCTCTCGAGCTCAA 136
Db 432 ThrValLeuSerSerGlySerThrIleHisSerIleAlaLeuGlySerSerAlaAlaPro 451
QY 137 GAACTAGAGGAGCTGCCAAATGACAGAGGTTTACAGACATATGCTTCAGATCAAGTT 196
Db 452 AnLeuGluGluLeuSerArgLeuThrGlyGlyLeuLysPheValProAspIleSer 471
QY 197 CAGAACAAATGGCTCATTCATGCTTTGGGGCCCTTCATCAGGAAATGGAGCTGTCTCT 256
Db 472 AnSerAsnSerMetIleAspAlaPheSerArgIleSerSerGlyThrGlyAspIlePhe 491
QY 257 CAGCGCTCCATCCAGCTTCAGAGTAAGGA 286
Db 492 GinGlnHisIleGlnLeuGluSerThrGly 501

RESULT 14

US-09-542-615A-169

; Sequence 169, Application US/09542615A

; Patent No. 6518256

; GENERAL INFORMATION:

; APPLICANT: Wang, Tongtong

; APPLICANT: Fan, Liqun

; APPLICANT: Kalos, Michael D.

; APPLICANT: Bangur, Chaitanya S.

; APPLICANT: Hosken, Nancy A.

; APPLICANT: Fanger, Gary R.

; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY

; FILE REFERENCE: 210121.455C8

; CURRENT APPLICATION NUMBER: US/09/542,615A

; NUMBER OF SEQ ID NOS: 350

; SEQ ID NO 169

; TYPE: PRT

; ORGANISM: Homo sapien

US-09-542-615A-169

Alignment Scores:
Pred. No.: 1.5e-19 Length: 592
Score: 218.00 Matches: 43
Percent Similarity: 66.67% Conservative: 17
Best Local Similarity: 47.78% Mismatches: 30
Query Match: 41.05% Indels: 0
DB: 4 Gaps: 0

US-09-049-696-7 (1-289) x US-09-542-615A-169 (1-592)

QY 17 GGATCTGAATTTGTCTGCTGACGGATGGGAGACAACTATAGTGGTGCTTTAAC 76
Db 412 GlySerValMetIleLeuValThrSerGlyAspAspLysLeuLeuGlyAsnCysLeuPro 431
QY 77 GAGGTCAAAAGTNGTCCATCATCCACAGATCGCTTTGGGGCCCTCTCGAGCTCAA 136
Db 432 ThrValLeuSerSerGlySerThrIleHisSerIleAlaLeuGlySerSerAlaAlaPro 451
QY 137 GAACTAGAGGAGCTGCCAAATGACAGAGGTTTACAGACATATGCTTCAGATCAAGTT 196
Db 452 AnLeuGluGluLeuSerArgLeuThrGlyGlyLeuLysPheValProAspIleSer 471
QY 197 CAGAACAAATGGCTCATTCATGCTTTGGGGCCCTTCATCAGGAAATGGAGCTGTCTCT 256
Db 472 AnSerAsnSerMetIleAspAlaPheSerArgIleSerSerGlyThrGlyAspIlePhe 491
QY 257 CAGCGCTCCATCCAGCTTCAGAGTAAGGA 286
Db 492 GinGlnHisIleGlnLeuGluSerThrGly 501

RESULT 15

US-09-606-421B-169

; Sequence 169, Application US/09606421B

; Patent No. 6531315
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy
; APPLICANT: Fanger, Gary R.
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.455C9
; CURRENT APPLICATION NUMBER: US/09/606,421B
; CURRENT FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 358
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 169
; LENGTH: 592
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-606-421B-169

Alignment Scores:
Pred. No.: 1.5e-19 Length: 592
Score: 218.00 Matches: 43
Percent Similarity: 66.67% Conservative: 17
Best Local Similarity: 47.78% Mismatches: 30
Query Match: 41.05% Indels: 0
DB: 4 Gaps: 0

US-09-049-696-7 (1-289) x US-09-606-421B-169 (1-592)

QY 17 GGATCTGAATTTGTCTGCTGACGGATGGGAGACAACTATAGTGGTGCTTTAAC 76
Db 412 GlySerValMetIleLeuValThrSerGlyAspAspLysLeuLeuGlyAsnCysLeuPro 431
QY 77 GAGGTCAAAAGTNGTCCATCATCCACAGATCGCTTTGGGGCCCTCTCGAGCTCAA 136
Db 432 ThrValLeuSerSerGlySerThrIleHisSerIleAlaLeuGlySerSerAlaAlaPro 451
QY 137 GAACTAGAGGAGCTGCCAAATGACAGAGGTTTACAGACATATGCTTCAGATCAAGTT 196
Db 452 AnLeuGluGluLeuSerArgLeuThrGlyGlyLeuLysPheValProAspIleSer 471
QY 197 CAGAACAAATGGCTCATTCATGCTTTGGGGCCCTTCATCAGGAAATGGAGCTGTCTCT 256
Db 472 AnSerAsnSerMetIleAspAlaPheSerArgIleSerSerGlyThrGlyAspIlePhe 491
QY 257 CAGCGCTCCATCCAGCTTCAGAGTAAGGA 286
Db 492 GinGlnHisIleGlnLeuGluSerThrGly 501

Search completed: April 21, 2004, 16:22:05

Job time : 17.7475 secs

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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: April 24, 2004, 04:05:52 ; Search time 134.86 Seconds
(without alignments)
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Perfect score: 252
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Scoring table: IDENTITY NUC
Gapop 10_0 , Gapext 1.0

Searched: 2907579 seqs, 2254313464 residues

Total number of hits satisfying chosen parameters: 5815158

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications_NA.*
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19: /cgn2_6/prodata/2/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	252	100.0	2745	15	US-10-270-595-5 Sequence 5, Appli
2	252	100.0	2854	15	US-10-106-698-1971 Sequence 1971, Ap
3	252	100.0	3007	15	US-10-055-412B-27 Sequence 27, Appl
4	252	100.0	3109	15	US-10-106-698-2111 Sequence 2111, Ap
5	252	100.0	3111	9	US-09-823-356-25 Sequence 25, Appl
6	252	100.0	3111	9	US-09-981-353-191 Sequence 191, Appl
7	252	100.0	3111	15	US-10-235-994-25 Sequence 25, Appl
8	252	100.0	3267	9	US-09-764-868-22 Sequence 22, Appl
9	252	100.0	3311	9	US-09-922-217-1056 Sequence 1056, Ap
10	252	100.0	3311	9	US-09-833-263-1056 Sequence 1056, Ap
11	252	100.0	3311	14	US-10-025-380-1056 Sequence 1056, Ap
12	252	100.0	3311	15	US-10-393-590-11 Sequence 11, Appl
13	252	100.0	3311	15	US-10-393-590-12 Sequence 12, Appl
14	252	100.0	3311	15	US-10-393-590-46 Sequence 46, Appl

15	252	100.0	3311	15	US-10-393-590-47	Sequence 47, Appl
16	252	100.0	3311	15	US-10-393-567-11	Sequence 11, Appl
17	252	100.0	3311	15	US-10-393-567-12	Sequence 12, Appl
18	252	100.0	3311	15	US-10-393-567-46	Sequence 46, Appl
19	252	100.0	3311	15	US-10-393-567-47	Sequence 47, Appl
20	252	100.0	3311	15	US-10-394-087-11	Sequence 11, Appl
21	252	100.0	3311	15	US-10-394-087-12	Sequence 12, Appl
22	252	100.0	3311	15	US-10-394-087-46	Sequence 46, Appl
23	252	100.0	3311	15	US-10-394-087-47	Sequence 47, Appl
24	250.4	99.4	4569	10	US-09-867-034-3	Sequence 3, Appli
25	250.4	99.4	4569	13	US-10-276-115-3	Sequence 3, Appli
26	241	95.6	2867	15	US-10-106-698-351	Sequence 351, App
27	164.2	65.2	2931	15	US-10-270-595-1	Sequence 1, Appli
28	140.2	55.6	619	16	US-10-305-720-931	Sequence 931, App
29	140.2	55.6	2754	15	US-10-345-680-33	Sequence 33, Appl
30	140.2	55.6	3043	14	US-10-025-167-16	Sequence 16, Appl
31	140.2	55.6	3169	9	US-09-981-353-53	Sequence 53, Appl
32	140.2	55.6	3169	15	US-10-235-994-15	Sequence 15, Appl
33	140.2	55.6	3181	14	US-10-025-167-18	Sequence 18, Appl
34	140.2	55.6	3195	10	US-09-867-034-22	Sequence 22, Appl
35	140.2	55.6	3195	13	US-10-276-115-22	Sequence 22, Appl
36	140.2	55.6	3196	15	US-10-158-646-39	Sequence 39, Appl
37	140.2	55.6	3199	13	US-10-276-774-993	Sequence 993, App
38	140.2	55.6	3204	15	US-10-345-680-31	Sequence 31, Appl
39	140.2	55.6	3207	15	US-10-101-510-660	Sequence 660, App
40	140.2	55.6	3218	16	US-10-087-080-33	Sequence 33, Appl
41	140.2	55.6	3265	9	US-09-989-723-378	Sequence 378, App
42	140.2	55.6	3265	9	US-09-989-723-378	Sequence 378, App
43	140.2	55.6	3265	9	US-09-989-279-378	Sequence 378, App
44	140.2	55.6	3265	9	US-09-989-727-378	Sequence 378, App
45	140.2	55.6	3265	9	US-09-989-731-378	Sequence 378, App

ALIGNMENTS

RESULT 1

US-10-270-595-5
; Sequence 5, Application US/10270595
; Publication No. US20030078409A1
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/10/270,595
; PRIOR FILING DATE: 2002-10-16
; PRIOR APPLICATION NUMBER: US/09/623,624
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,472
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; PRIOR FILING DATE: 1996-08-23
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 5
; LENGTH: 2745

TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (1)..(2742)
US-10-270-595-5

Query Match 100.0%; Score 252; DB 15; Length 2745;
Best Local Similarity 100.0%; Pred. No. 4.8e-79;
Matches 252; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 910 CAAGAATTGTGTGTTAGTCTTGCACAAATCTGGAAGCATGCGGACTGGTAACCGCCTC 969

QY 61 AATCGACTGAATCAAGCAGCGCCAGCTTTTCCTGCTGCAGACAGTTGAGCTGGGGTCTTGG 120
DB 970 AATCGACTGAATCAAGCAGCGCCAGCTTTTCCTGCTGCAGACAGTTGAGCTGGGGTCTTGG 1029

QY 121 GTTGGATGTCACATTTGACAGTGTGCTGCCCATGTACAAAGTGAATCATACAGATAAAC 180
DB 1030 GTTGGATGTCACATTTGACAGTGTGCTGCCCATGTACAAAGTGAATCATACAGATAAAC 1089

QY 181 AGTGGCAGTGACAGGACACACTCGCCAAAGATTACCTGCGACAGCTTTCAGGAGGACG 240
DB 1090 AGTGGCAGTGACAGGACACACTCGCCAAAGATTACCTGCGACAGCTTTCAGGAGGACG 1149

QY 241 TCCATCTGCAGC 252
DB 1150 TCCATCTGCAGC 1161

RESULT 2
US-10-106-698-1971
; Sequence 1971, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptides
; FILE REFERENCE: PA005PI
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 1971
; LENGTH: 2854
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-106-698-1971

Query Match 100.0%; Score 252; DB 15; Length 2854;
Best Local Similarity 100.0%; Pred. No. 4.9e-79;
Matches 252; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CAAGAATTGTGTGTTAGTCTTGCACAAATCTGGAAGCATGCGGACTGGTAACCGCCTC 60
DB 944 CAAGAATTGTGTGTTAGTCTTGCACAAATCTGGAAGCATGCGGACTGGTAACCGCCTC 1003

QY 61 AATCGACTGAATCAAGCAGCGCCAGCTTTTCCTGCTGCAGACAGTTGAGCTGGGGTCTTGG 120
DB 1004 AATCGACTGAATCAAGCAGCGCCAGCTTTTCCTGCTGCAGACAGTTGAGCTGGGGTCTTGG 1063

QY 121 GTTGGATGTCACATTTGACAGTGTGCTGCCCATGTACAAAGTGAATCATACAGATAAAC 180
DB 1064 GTTGGATGTCACATTTGACAGTGTGCTGCCCATGTACAAAGTGAATCATACAGATAAAC 1123

QY 181 AGTGGCAGTGACAGGACACACTCGCCAAAGATTACCTGCGACAGCTTTCAGGAGGACG 240

RESULT 3
US-10-055-412B-27
; Sequence 27, Application US/10055412B
; Publication No. US20030059861A1
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedict U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; FILE REFERENCE: 18617.0058
; CURRENT FILING DATE: 2001-10-29
; PRIOR APPLICATION NUMBER: US/10/055,412B
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 27
; LENGTH: 3007
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-055-412B-27

Query Match 100.0%; Score 252; DB 15; Length 3007;
Best Local Similarity 100.0%; Pred. No. 5e-79;
Matches 252; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 956 CAAGAATTGTGTGTTAGTCTTGCACAAATCTGGAAGCATGCGGACTGGTAACCGCCTC 1015

QY 61 AATCGACTGAATCAAGCAGCGCCAGCTTTTCCTGCTGCAGACAGTTGAGCTGGGGTCTTGG 120
DB 1016 AATCGACTGAATCAAGCAGCGCCAGCTTTTCCTGCTGCAGACAGTTGAGCTGGGGTCTTGG 1075

QY 121 GTTGGATGTCACATTTGACAGTGTGCTGCCCATGTACAAAGTGAATCATACAGATAAAC 180
DB 1076 GTTGGATGTCACATTTGACAGTGTGCTGCCCATGTACAAAGTGAATCATACAGATAAAC 1135

QY 181 AGTGGCAGTGACAGGACACACTCGCCAAAGATTACCTGCGACAGCTTTCAGGAGGACG 240
DB 1136 AGTGGCAGTGACAGGACACACTCGCCAAAGATTACCTGCGACAGCTTTCAGGAGGACG 1195

QY 241 TCCATCTGCAGC 252
DB 1196 TCCATCTGCAGC 1207

RESULT 4
US-10-106-698-2111
; Sequence 2111, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptides
; FILE REFERENCE: PA005PI
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0

SEQ ID NO 2111
LENGTH: 3109
TYPE: DNA
ORGANISM: Homo sapiens
US-106-698-2111

Query Match 100.0%; Score 252; DB 15; Length 3109;
Best Local Similarity 100.0%; Pred. No. 5.1e-79;
Matches 252; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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797 CAAGAATTTGTGTTAGTCTTGTGACAAATCTGGAAGCATGGCGACTGGTAACCGCTC 856
|||||

61 ATTCGACTGAATCAAGCAGCGCCAGCTTTTCTGCTGCAGACAGTTGAGCTGGGGTCTGG 120
|||||
857 ATTCGACTGAATCAAGCAGCGCCAGCTTTTCTGCTGCAGACAGTTGAGCTGGGGTCTGG 916
|||||

121 GTTGGATGGTGACATTTGACAGTGTGCCCCATGTACAAAGTGAATCATACAGATAAAC 180
|||||
917 GTTGGATGGTGACATTTGACAGTGTGCCCCATGTACAAAGTGAATCATACAGATAAAC 976
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181 AGTGGCAGTGACAGGACACACTCGCCAAAGATTACCTGCAGCAGCTTCAGGAGGACG 240
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977 AGTGGCAGTGACAGGACACACTCGCCAAAGATTACCTGCAGCAGCTTCAGGAGGACG 1036
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241 TCCATCTGCAGC 252
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1037 TCCATCTGCAGC 1048
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RESULT 5
US-09-823-356-25
Sequence 25, Application US/09823356
Patent No. US20010025098A1
GENERAL INFORMATION:
APPLICANT: Tang, Y. Tom
APPLICANT: Bandman, Olga
APPLICANT: Lal, Preeti
APPLICANT: Hillman, Jennifer L.
APPLICANT: Yue, Henry
APPLICANT: Corley, Neil C.
APPLICANT: Guegler, Karl J.
APPLICANT: Kaser, Matthew R.
APPLICANT: Baughn, Mariah R.
APPLICANT: Shah, Purvi
TITLE OF INVENTION: HUMAN MEMBRANE SPANNING PROTEINS
FILE REFERENCE: PF-0489-1 CON
CURRENT APPLICATION NUMBER: US/09/823,356
CURRENT FILING DATE: 2001-03-30
PRIOR APPLICATION NUMBER: 09/039,307
PRIOR FILING DATE: 1998 March 13
NUMBER OF SEQ ID NOS: 34
SOFTWARE: PERL Program
SEQ ID NO 25
LENGTH: 3111
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc.feature
OTHER INFORMATION: Incyte ID No. US20010025098A1 1737775

Query Match 100.0%; Score 252; DB 9; Length 3111;
Best Local Similarity 100.0%; Pred. No. 5.1e-79;
Matches 252; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1 CAAGAATTTGTGTTAGTCTTGTGACAAATCTGGAAGCATGGCGACTGGTAACCGCTC 60
|||||
943 CAAGAATTTGTGTTAGTCTTGTGACAAATCTGGAAGCATGGCGACTGGTAACCGCTC 1002
|||||

61 AATCGACTGAATCAAGCAGCGCCAGCTTTTCTGCTGCAGACAGTTGAGCTGGGGTCTGG 120
|||||
1003 AATCGACTGAATCAAGCAGCGCCAGCTTTTCTGCTGCAGACAGTTGAGCTGGGGTCTGG 1062
|||||

121 GTTGGATGGTGACATTTGACAGTGTGCCCCATGTACAAAGTGAATCATACAGATAAAC 180
|||||
1063 GTTGGATGGTGACATTTGACAGTGTGCCCCATGTACAAAGTGAATCATACAGATAAAC 1122
|||||

181 AGTGGCAGTGACAGGACACACTCGCCAAAGATTACCTGCAGCAGCTTCAGGAGGACG 240
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1123 AGTGGCAGTGACAGGACACACTCGCCAAAGATTACCTGCAGCAGCTTCAGGAGGACG 1182
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241 TCCATCTGCAGC 252
|||||
1183 TCCATCTGCAGC 1194
|||||

RESULT 7
US-10-235-994-25
Sequence 25, Application US/10235994
Publication No. US20030101002A1
GENERAL INFORMATION:
APPLICANT: Bartha, Gabor
APPLICANT: Walker, Michael
TITLE OF INVENTION: METHODS FOR ANALYZING GENE EXPRESSION PATTERNS
FILE REFERENCE: ICYTP012
CURRENT APPLICATION NUMBER: US/10/235,994
CURRENT FILING DATE: 2002-09-04

Query Match 100.0%; Score 252; DB 9; Length 3111;
Best Local Similarity 100.0%; Pred. No. 5.1e-79;
Matches 252; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1 CAAGAATTTGTGTTAGTCTTGTGACAAATCTGGAAGCATGGCGACTGGTAACCGCTC 60
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943 CAAGAATTTGTGTTAGTCTTGTGACAAATCTGGAAGCATGGCGACTGGTAACCGCTC 1002
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61 AATCGACTGAATCAAGCAGCGCCAGCTTTTCTGCTGCAGACAGTTGAGCTGGGGTCTGG 120
|||||

Db 1003 AATCGACTGAATCAAGCAGCGCCAGCTTTTCTGCTGCAGACAGTTGAGCTGGGGTCTGG 1062
Qy 121 GTTGGATGGTGACATTTGACAGTGTGCCCCATGTACAAAGTGAATCATACAGATAAAC 180
Db 1063 GTTGGATGGTGACATTTGACAGTGTGCCCCATGTACAAAGTGAATCATACAGATAAAC 1122
Qy 181 AGTGGCAGTGACAGGACACACTCGCCAAAGATTACCTGCAGCAGCTTCAGGAGGACG 240
Db 1123 AGTGGCAGTGACAGGACACACTCGCCAAAGATTACCTGCAGCAGCTTCAGGAGGACG 1182
Qy 241 TCCATCTGCAGC 252
Db 1183 TCCATCTGCAGC 1194

RESULT 6
US-09-981-353-191
Sequence 191, Application US/09981353
Patent No. US20020160382A1
GENERAL INFORMATION:
APPLICANT: Lasek, Amy W.
APPLICANT: Jones, David A.
TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
FILE REFERENCE: PA-0038 US
CURRENT APPLICATION NUMBER: US/09/981,353
CURRENT FILING DATE: 2001-10-11
NUMBER OF SEQ ID NOS: 194
SOFTWARE: PERL Program
SEQ ID NO 191
LENGTH: 3111
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc.feature
OTHER INFORMATION: Incyte ID No. US20020160382A1 1737775CB1

US-09-981-353-191

Query Match 100.0%; Score 252; DB 9; Length 3111;
Best Local Similarity 100.0%; Pred. No. 5.1e-79;
Matches 252; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1 CAAGAATTTGTGTTAGTCTTGTGACAAATCTGGAAGCATGGCGACTGGTAACCGCTC 60
|||||
943 CAAGAATTTGTGTTAGTCTTGTGACAAATCTGGAAGCATGGCGACTGGTAACCGCTC 1002
|||||

61 AATCGACTGAATCAAGCAGCGCCAGCTTTTCTGCTGCAGACAGTTGAGCTGGGGTCTGG 120
|||||
1003 AATCGACTGAATCAAGCAGCGCCAGCTTTTCTGCTGCAGACAGTTGAGCTGGGGTCTGG 1062
|||||

121 GTTGGATGGTGACATTTGACAGTGTGCCCCATGTACAAAGTGAATCATACAGATAAAC 180
|||||
1063 GTTGGATGGTGACATTTGACAGTGTGCCCCATGTACAAAGTGAATCATACAGATAAAC 1122
|||||

181 AGTGGCAGTGACAGGACACACTCGCCAAAGATTACCTGCAGCAGCTTCAGGAGGACG 240
|||||
1123 AGTGGCAGTGACAGGACACACTCGCCAAAGATTACCTGCAGCAGCTTCAGGAGGACG 1182
|||||

241 TCCATCTGCAGC 252
Db 1183 TCCATCTGCAGC 1194

RESULT 7
US-10-235-994-25
Sequence 25, Application US/10235994
Publication No. US20030101002A1
GENERAL INFORMATION:
APPLICANT: Bartha, Gabor
APPLICANT: Walker, Michael
TITLE OF INVENTION: METHODS FOR ANALYZING GENE EXPRESSION PATTERNS
FILE REFERENCE: ICYTP012
CURRENT APPLICATION NUMBER: US/10/235,994
CURRENT FILING DATE: 2002-09-04

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; PRIOR APPLICATION NUMBER: US/10/003,608
; PRIOR FILING DATE: 2001-11-01
; PRIOR APPLICATION NUMBER: 60/245,081
; PRIOR FILING DATE: 2000-11-01
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 25
; LENGTH: 3111
; TYPE: DNA
; ORGANISM: Human
US-10-235-994-25

Query Match
Best Local Similarity 100.0%; Score 252; DB 15; Length 3111;
Matches 252; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CAAGAATTGTGTTAGTCTTGCACAAATCTGGAAGCATGGCACTGGTAACCGCCTC 60
Db 943 CAAGAATTGTGTTAGTCTTGCACAAATCTGGAAGCATGGCACTGGTAACCGCCTC 1002
QY 61 AATCGACTGAATCAAGCAGCGCCAGCTTTTCTGCTGCAGACAGTTGAGCTGGGGTCTTGG 120
Db 1003 AATCGACTGAATCAAGCAGCGCCAGCTTTTCTGCTGCAGACAGTTGAGCTGGGGTCTTGG 1062
QY 121 GTTGGGATGGTGACATTTGACAGTGTGCCCATGTACAAAGTGAACCTATACAGATAAAC 180
Db 1063 GTTGGGATGGTGACATTTGACAGTGTGCCCATGTACAAAGTGAACCTATACAGATAAAC 1122
QY 181 AGTGCAGTGCAGGAGACACTCGCCAAAGATTAACCTGACAGCTTTCAGAGGGAGC 240
Db 1123 AGTGCAGTGCAGGAGACACTCGCCAAAGATTAACCTGACAGCTTTCAGAGGGAGC 1182
QY 241 TCCATCTGCAGC 252
Db 1183 TCCATCTGCAGC 1194

RESULT 8
US-09-764-868-22
; Sequence 22, Application US/09764868
; Patent No. US20020168711A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PT232
; CURRENT APPLICATION NUMBER: US/09/764,868
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 1510
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 22
; LENGTH: 3267
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-868-22

Query Match
Best Local Similarity 100.0%; Score 252; DB 9; Length 3267;
Matches 252; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CAAGAATTGTGTTAGTCTTGCACAAATCTGGAAGCATGGCACTGGTAACCGCCTC 60
Db 944 CAAGAATTGTGTTAGTCTTGCACAAATCTGGAAGCATGGCACTGGTAACCGCCTC 1003
QY 61 AATCGACTGAATCAAGCAGCGCCAGCTTTTCTGCTGCAGACAGTTGAGCTGGGGTCTTGG 120
Db 1004 AATCGACTGAATCAAGCAGCGCCAGCTTTTCTGCTGCAGACAGTTGAGCTGGGGTCTTGG 1063
QY 121 GTTGGGATGGTGACATTTGACAGTGTGCCCATGTACAAAGTGAACCTATACAGATAAAC 180
Db 1064 GTTGGGATGGTGACATTTGACAGTGTGCCCATGTACAAAGTGAACCTATACAGATAAAC 1123
QY 181 AGTGGCAGTGCAGGAGGACACTCGCCAAAGATTAACCTGCAGCAGCTTTCAGAGGGAGC 240

; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; FILE REFERENCE: 210121.471C13
; CURRENT APPLICATION NUMBER: US/09/922,217
; CURRENT FILING DATE: 2001-08-03
; NUMBER OF SEQ ID NOS: 1124
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1056
; LENGTH: 3311
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-922-217-1056

Query Match
Best Local Similarity 100.0%; Score 252; DB 9; Length 3311;
Matches 252; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CAAGAATTGTGTTAGTCTTGCACAAATCTGGAAGCATGGCACTGGTAACCGCCTC 60
Db 1261 CAAGAATTGTGTTAGTCTTGCACAAATCTGGAAGCATGGCACTGGTAACCGCCTC 1320
QY 61 AATCGACTGAATCAAGCAGCGCCAGCTTTTCTGCTGCAGACAGTTGAGCTGGGGTCTTGG 120
Db 1321 AATCGACTGAATCAAGCAGCGCCAGCTTTTCTGCTGCAGACAGTTGAGCTGGGGTCTTGG 1380
QY 121 GTTGGGATGGTGACATTTGACAGTGTGCCCATGTACAAAGTGAACCTATACAGATAAAC 180
Db 1381 GTTGGGATGGTGACATTTGACAGTGTGCCCATGTACAAAGTGAACCTATACAGATAAAC 1440
QY 181 AGTGGCAGTGCAGGAGGACACTCGCCAAAGATTAACCTGCAGCAGCTTTCAGAGGGAGC 240
Db 1441 AGTGGCAGTGCAGGAGGACACTCGCCAAAGATTAACCTGCAGCAGCTTTCAGAGGGAGC 1500
QY 241 TCCATCTGCAGC 252
Db 1501 TCCATCTGCAGC 1512

RESULT 9
US-09-922-217-1056
; Sequence 1056, Application US/09922217
; Patent No. US20020076414A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather
; APPLICANT: Benson, Darin R.
; APPLICANT: Meagher, Madeleine Joy
; APPLICANT: Stolk, John A.
; APPLICANT: Wang, Tongtong
; APPLICANT: Jiang, Yugu
; APPLICANT: Smith, Carole Lynn
; APPLICANT: King, Gordon E.
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; FILE REFERENCE: 210121.471C13
; CURRENT APPLICATION NUMBER: US/09/922,217
; CURRENT FILING DATE: 2001-08-03
; NUMBER OF SEQ ID NOS: 1124
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1056
; LENGTH: 3311
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-922-217-1056

Query Match
Best Local Similarity 100.0%; Score 252; DB 9; Length 3311;
Matches 252; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CAAGAATTGTGTTAGTCTTGCACAAATCTGGAAGCATGGCACTGGTAACCGCCTC 60
Db 1261 CAAGAATTGTGTTAGTCTTGCACAAATCTGGAAGCATGGCACTGGTAACCGCCTC 1320
QY 61 AATCGACTGAATCAAGCAGCGCCAGCTTTTCTGCTGCAGACAGTTGAGCTGGGGTCTTGG 120
Db 1321 AATCGACTGAATCAAGCAGCGCCAGCTTTTCTGCTGCAGACAGTTGAGCTGGGGTCTTGG 1380
QY 121 GTTGGGATGGTGACATTTGACAGTGTGCCCATGTACAAAGTGAACCTATACAGATAAAC 180
Db 1381 GTTGGGATGGTGACATTTGACAGTGTGCCCATGTACAAAGTGAACCTATACAGATAAAC 1440
QY 181 AGTGGCAGTGCAGGAGGACACTCGCCAAAGATTAACCTGCAGCAGCTTTCAGAGGGAGC 240
Db 1441 AGTGGCAGTGCAGGAGGACACTCGCCAAAGATTAACCTGCAGCAGCTTTCAGAGGGAGC 1500
QY 241 TCCATCTGCAGC 252
Db 1501 TCCATCTGCAGC 1512

RESULT 10
US-09-833-263-1056
; Sequence 1056, Application US/098333263
; Patent No. US20020110547A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; APPLICANT: Stolk, John A.
; APPLICANT: Meagher, Madeleine J.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND
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; TITLE OF INVENTION: DIAGNOSIS OF COLON CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.471C12
; CURRENT APPLICATION NUMBER: US/09/833,263
; CURRENT FILING DATE: 2001-04-10
; NUMBER OF SEQ ID NOS: 1093
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1056
; LENGTH: 3311
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-833-263-1056

Query Match 100.0%; Score 252; DB 9; Length 3311;
Best Local Similarity 100.0%; Pred. No. 5.3e-79;
Matches 252; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CAAAGAAATGTGTTAGTCTTGAACAATCTGGAAGCATGCGGACTGGTAACCGCCTC 60
DB 1261 CAAAGAAATGTGTTAGTCTTGAACAATCTGGAAGCATGCGGACTGGTAACCGCCTC 1320

QY 61 AATCGACTGAATCAAGCAGCGCCAGCTTTTCTGCTGCAGACAGTTGAGCTGGGGTCTCTGG 120
DB 1321 AATCGACTGAATCAAGCAGCGCCAGCTTTTCTGCTGCAGACAGTTGAGCTGGGGTCTCTGG 1380

QY 121 GTTGGGATGGTGACATTTTGACAGTGTGCTGCCCATGTACAAAGTGAATCTACAGATAAAC 180
DB 1381 GTTGGGATGGTGACATTTTGACAGTGTGCTGCCCATGTACAAAGTGAATCTACAGATAAAC 1440

QY 181 AGTGGCAGTGCAGGAGGACACACTCGCCAAAAGATTACCTGCAGCAGCTTTCAGAGGGAGC 240
DB 1441 AGTGGCAGTGCAGGAGGACACACTCGCCAAAAGATTACCTGCAGCAGCTTTCAGAGGGAGC 240

QY 241 TCCATCTGCAGC 252
DB 1501 TCCATCTGCAGC 1512

RESULT 12
US-10-393-590-11
; Sequence 11, Application US/10393590
; Publication No. US20030190656A1
; GENERAL INFORMATION:
; APPLICANT: WANG, YIXIN
; TITLE OF INVENTION: BREAST CANCER PROGNASTIC PORTFOLIO
; FILE REFERENCE: CDS 268 US NP
; CURRENT APPLICATION NUMBER: US/10/393,590
; PRIOR FILING DATE: 2003-03-21
; PRIOR APPLICATION NUMBER: 60/368,789
; PRIOR FILING DATE: 2002-03-29
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 11
; LENGTH: 3311
; TYPE: DNA
; ORGANISM: human
US-10-393-590-11

Query Match 100.0%; Score 252; DB 15; Length 3311;
Best Local Similarity 100.0%; Pred. No. 5.3e-79;
Matches 252; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CAAAGAAATGTGTTAGTCTTGAACAATCTGGAAGCATGCGGACTGGTAACCGCCTC 60
DB 1261 CAAAGAAATGTGTTAGTCTTGAACAATCTGGAAGCATGCGGACTGGTAACCGCCTC 1320

QY 61 AATCGACTGAATCAAGCAGCGCCAGCTTTTCTGCTGCAGACAGTTGAGCTGGGGTCTCTGG 120
DB 1321 AATCGACTGAATCAAGCAGCGCCAGCTTTTCTGCTGCAGACAGTTGAGCTGGGGTCTCTGG 1380

QY 121 GTTGGGATGGTGACATTTTGACAGTGTGCTGCCCATGTACAAAGTGAATCTACAGATAAAC 180
DB 1381 GTTGGGATGGTGACATTTTGACAGTGTGCTGCCCATGTACAAAGTGAATCTACAGATAAAC 1440

QY 181 AGTGGCAGTGCAGGAGGACACACTCGCCAAAAGATTACCTGCAGCAGCTTTCAGAGGGAGC 240
DB 1441 AGTGGCAGTGCAGGAGGACACACTCGCCAAAAGATTACCTGCAGCAGCTTTCAGAGGGAGC 240

QY 241 TCCATCTGCAGC 252
DB 1501 TCCATCTGCAGC 1512

RESULT 13
US-10-393-590-12
; Sequence 12, Application US/10393590
; Publication No. US20030190656A1
; GENERAL INFORMATION:

Query Match 100.0%; Score 252; DB 14; Length 3311;
Best Local Similarity 100.0%; Pred. No. 5.3e-79;

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: April 24, 2004, 00:33:00 ; Search time 23.1639 Seconds
(without alignments)
6037.311 Million cell updates/sec

Title: US-09-049-696-6

Perfect score: 252

Sequence: 1 CAAGAATTGCTGTTAGT.....GAGGAGCTCATCTGCAGC 252

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA.*

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- 2: /cgn2_6/prodata/2/ina/5B COMB.seq.*
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- 4: /cgn2_6/prodata/2/ina/6B COMB.seq.*
- 5: /cgn2_6/prodata/2/ina/PCITUS COMB.seq.*
- 6: /cgn2_6/prodata/2/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES.

Result No.	Score	Query Match	Length	ID	Description
1	252	100.0	2745	4	US-09-623-624-5
2	252	100.0	3007	4	US-09-193-562D-27
3	164.2	65.2	2931	4	US-09-623-624-1
4	140.2	55.6	619	4	US-09-016-434-931
5	140.2	55.6	3043	4	US-09-049-698-16
6	140.2	55.6	3181	4	US-09-049-698-18
7	109	43.3	3022	4	US-09-193-562D-33
8	106.6	42.3	237	4	US-09-049-698-4
9	105.4	41.8	3418	4	US-09-193-562D-29
10	103.8	41.2	3317	4	US-09-193-562D-1
11	53.8	21.3	2773	4	US-09-643-597-358
12	53.8	21.3	2784	4	US-09-643-597-168
13	53.8	21.3	2784	4	US-09-480-884A-168
14	53.8	21.3	2784	4	US-09-542-615A-168
15	53.8	21.3	2784	4	US-09-606-421B-168
16	53.8	21.3	2970	4	US-09-193-562D-31
17	53.8	21.3	3156	4	US-09-191-172-86
18	53.8	21.3	3190	4	US-09-623-624-3
19	53.8	21.3	3362	4	US-09-643-597-167
20	53.8	21.3	3362	4	US-09-480-884A-167
21	53.8	21.3	3362	4	US-09-542-615A-167
22	53.8	21.3	3362	4	US-09-606-421B-167
23	53.8	21.3	3951	4	US-09-643-597-160
24	53.8	21.3	3951	4	US-09-480-884A-160
25	53.8	21.3	3951	4	US-09-542-615A-160
26	53.8	21.3	3951	4	US-09-606-421B-160
27	53.8	21.3	3951	4	US-09-221-107-160

Sequence 254, App
Sequence 254, App
Sequence 254, App
Sequence 254, App
Sequence 3, Appli
Sequence 3264, Ap
Sequence 15639, A
Sequence 58, Appl
Sequence 18, Appl
Sequence 1, Appli
Sequence 962, App
Sequence 2156, Ap
Sequence 4058, Ap
Sequence 4099, Ap
Sequence 4089, Ap
Sequence 8, Appli

ALIGNMENTS

RESULT 1

US-09-623-624-5

; Sequence 5, Application US/09623624

; Patent No. 6576434

; GENERAL INFORMATION:

; APPLICANT: Magainin Pharmaceuticals, Inc.

; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating

; TITLE OF INVENTION: Acopic Allergies, Including Asthma and Related

; FILE OF INVENTION: Disorders

; FILE REFERENCE: 36870-5073-WO

; CURRENT APPLICATION NUMBER: US/09/623,624

; CURRENT FILING DATE: 2000-09-06

; PRIOR APPLICATION NUMBER: PCT/US99/04703

; PRIOR FILING DATE: 1999-03-03

; PRIOR APPLICATION NUMBER: US 08/697,360

; PRIOR FILING DATE: 1996-08-23

; PRIOR APPLICATION NUMBER: US 08/697,419

; PRIOR FILING DATE: 1996-08-23

; PRIOR APPLICATION NUMBER: US 08/697,440

; PRIOR FILING DATE: 1996-08-23

; PRIOR APPLICATION NUMBER: US 08/697,471

; PRIOR FILING DATE: 1996-08-23

; PRIOR APPLICATION NUMBER: US 08/697,471

; PRIOR FILING DATE: 1996-08-23

; PRIOR APPLICATION NUMBER: US 08/697,472

; PRIOR FILING DATE: 1996-08-23

; PRIOR APPLICATION NUMBER: US 08/697,473

; PRIOR FILING DATE: 1996-08-23

; PRIOR APPLICATION NUMBER: US 08/702,105

; PRIOR FILING DATE: 1996-08-23

; PRIOR APPLICATION NUMBER: US 08/702,110

; PRIOR FILING DATE: 1996-08-23

; PRIOR APPLICATION NUMBER: US 08/702,168

; PRIOR FILING DATE: 1996-08-23

; PRIOR APPLICATION NUMBER: US 08/980,872

; PRIOR FILING DATE: 1997-12-01

; NUMBER OF SEQ ID NOS: 18

; SOFTWARE: Patentin Ver. 2.0

; SEQ ID NO 5

; LENGTH: 2745

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: CDS

; LOCATION: (1) .. (2742)

; US-09-623-624-5

Query Match 100.0%; Score 252; DB 4; Length 2745;

Best Local Similarity 100.0%; Pred. No. 3e-76;

Matches 252; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CAAGAATTGTGTTAGTCTTGACAAATCTGGAAGCATGGCACTGGTAACCGCCTC 60
Db 910 CAAGAATTGTGTTAGTCTTGACAAATCTGGAAGCATGGCACTGGTAACCGCCTC 969
QY 61 AATCGACTGAATCAAGCAGCGCCAGCTTTTCTGCTGCAGACAGTTGAGCTGGGGTCTGG 120
Db 970 AATCGACTGAATCAAGCAGCGCCAGCTTTTCTGCTGCAGACAGTTGAGCTGGGGTCTGG 1029
QY 121 GTTGGATGGTGACATTTGACAGTGTGCCCCATGTACAAAGTGAATCATACAGATAAAC 180
Db 1030 GTTGGATGGTGACATTTGACAGTGTGCCCCATGTACAAAGTGAATCATACAGATAAAC 1089
QY 181 AGTGGCAGTGACAGGACACACTCGCCAAAGATTACCTGCAGCAGCTTCAGAGGGAGC 240
Db 1090 AGTGGCAGTGACAGGACACACTCGCCAAAGATTACCTGCAGCAGCTTCAGAGGGAGC 1149
QY 241 TCCATCTGCAGC 252
Db 1150 TCCATCTGCAGC 1161

RESULT 2

US-09-193-562D-27
; Sequence 27, Application US/09193562D
; Patent No. 6309857

; GENERAL INFORMATION:

; APPLICANT: Pauli, Benedicht U.

; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; Activated Chloride Channel-Adhesion Molecules

; FILE REFERENCE: 18617.0052

; CURRENT APPLICATION NUMBER: US/09/193,562D

; CURRENT FILING DATE: 1998-11-17

; PRIOR APPLICATION NUMBER: US/60/065,922

; PRIOR FILING DATE: 1997-11-17

; NUMBER OF SEQ ID NOS: 47

; SEQ ID NO 27

; LENGTH: 3007

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-193-562D-27

Query Match 100.0%; Score 252; DB 4; Length 3007;
Best Local Similarity 100.0%; Pred. No. 3.2e-76;
Matches 252; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CAAGAATTGTGTTAGTCTTGACAAATCTGGAAGCATGGCACTGGTAACCGCCTC 60
Db 956 CAAGAATTGTGTTAGTCTTGACAAATCTGGAAGCATGGCACTGGTAACCGCCTC 1015
QY 61 AATCGACTGAATCAAGCAGCGCCAGCTTTTCTGCTGCAGACAGTTGAGCTGGGGTCTGG 120
Db 1016 AATCGACTGAATCAAGCAGCGCCAGCTTTTCTGCTGCAGACAGTTGAGCTGGGGTCTGG 1075
QY 121 GTTGGATGGTGACATTTGACAGTGTGCCCCATGTACAAAGTGAATCATACAGATAAAC 180
Db 1076 GTTGGATGGTGACATTTGACAGTGTGCCCCATGTACAAAGTGAATCATACAGATAAAC 1135
QY 181 AGTGGCAGTGACAGGACACACTCGCCAAAGATTACCTGCAGCAGCTTCAGAGGGAGC 240
Db 1136 AGTGGCAGTGACAGGACACACTCGCCAAAGATTACCTGCAGCAGCTTCAGAGGGAGC 1195
QY 241 TCCATCTGCAGC 252
Db 1196 TCCATCTGCAGC 1207

RESULT 3

US-09-623-624-1

; Sequence 1, Application US/09623624

; Patent No. 6576434

; GENERAL INFORMATION:

; APPLICANT: Magainin Pharmaceuticals, Inc.

; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; Title of Invention: Atopic Allergies, Including Asthma and Related
; FILE REFERENCE: 36870-5073-WO

; CURRENT APPLICATION NUMBER: US/09/623,624

; CURRENT FILING DATE: 2000-09-06

; PRIOR APPLICATION NUMBER: PCT/US99/04703

; PRIOR FILING DATE: 1999-03-03

; PRIOR APPLICATION NUMBER: US 08/697,360

; PRIOR FILING DATE: 1996-08-23

; PRIOR APPLICATION NUMBER: US 08/697,419

; PRIOR FILING DATE: 1996-08-23

; PRIOR APPLICATION NUMBER: US 08/697,440

; PRIOR FILING DATE: 1996-08-23

; PRIOR APPLICATION NUMBER: US 08/697,471

; PRIOR FILING DATE: 1996-08-23

; PRIOR APPLICATION NUMBER: US 08/697,471

; PRIOR FILING DATE: 1996-08-23

; PRIOR APPLICATION NUMBER: US 08/697,472

; PRIOR FILING DATE: 1996-08-23

; PRIOR APPLICATION NUMBER: US 08/697,473

; PRIOR FILING DATE: 1996-08-23

; PRIOR APPLICATION NUMBER: US 08/702,105

; PRIOR FILING DATE: 1996-08-23

; PRIOR APPLICATION NUMBER: US 08/702,110

; PRIOR FILING DATE: 1996-08-23

; PRIOR APPLICATION NUMBER: US 08/702,168

; PRIOR FILING DATE: 1996-08-23

; PRIOR APPLICATION NUMBER: US 08/980,872

; PRIOR FILING DATE: 1997-12-01

; NUMBER OF SEQ ID NOS: 18

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 1

; LENGTH: 2931

; TYPE: DNA

; ORGANISM: Mus musculus

; FEATURE:

; NAME/KEY: CDS

; LOCATION: (8)..(2746)

US-09-623-624-1

Query Match 65.2%; Score 164.2; DB 4; Length 2931;
Best Local Similarity 78.7%; Pred. No. 3.7e-46;
Matches 196; Conservative 0; Mismatches 53; Indels 0; Gaps 0;

QY 1 CAAGAATTGTGTTAGTCTTGACAAATCTGGAAGCATGGCACTGGTAACCGCCTC 60
Db 920 CAAGAATTGTGTTAGTCTTGATTAAGTCCGGGAGCATGCTGAACGATGATCGTCTT 979
QY 61 AATCGACTGAATCAAGCAGCGCCAGCTTTTCTGCTGCAGACAGTTGAGCTGGGGTCTGG 120
Db 980 AATCGACTGAATCAAGCAGCGCCAGCTTTTCTGCTGCAGACAGTTGAGCAGGATCTCTGG 1039
QY 121 GTTGGATGGTGACATTTGACAGTGTGCCCCATGTACAAAGTGAATCATACAGATAAAC 180
Db 1040 GTTGGATGGTGACATTTGACAGTGTGCCCCATGTACAAAGTGAATCATACAGATAAAC 1099
QY 181 AGTGGCAGTGACAGGACACACTCGCCAAAGATTACCTGCAGCAGCTTCAGAGGGAGC 240
Db 1100 AGTGGCAGTGACAGGACACTCTGTATCAAGCACTTACCCACAGATATCTGCAGGGAGCA 1159
QY 241 TCCATCTGC 249
Db 1160 TCTATATGC 1168

RESULT 4

US-09-016-434-931

; Sequence 931, Application US/09016434

; Patent No. 6500938

; GENERAL INFORMATION:

; APPLICANT: Janice Au-Young

; APPLICANT: Jeffrey J. Seilhamer

;; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING
;; TITLE OF INVENTION: PATHWAY GENE EXPRESSION
;; NUMBER OF SEQUENCES: 1490
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
;; STREET: 3174 PORTER DRIVE
;; CITY: PALO ALTO
;; STATE: CALIFORNIA
;; COUNTRY: USA
;; ZIP: 94304
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/09/016,434
;; FILING DATE: HEREWITH
;; CLASSIFICATION:
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER:
;; FILING DATE:
;; CLASSIFICATION:
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Zeller, Karen J.
;; REGISTRATION NUMBER: 37,071
;; REFERENCE/DOCKET NUMBER: PA-0002 US
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (650) 855-0555
;; TELEFAX: (650) 845-4166
;; INFORMATION FOR SEQ ID NO: 931:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 619 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; IMMEDIATE SOURCE:
;; LIBRARY: COLNNOT05
;; CLONE: 775437
;; US-09-016-434-931

Query Match 55.6%; Score 140.2; DB 4; Length 619;
Best Local Similarity 72.7%; Pred. No. 2.8e-38;
Matches 181; Conservative 0; Mismatches 68; Indels 0; Gaps 0;

QY 1 CAAAGAATTGTGTTAGTCTTGAACAATCTGGAAGCATGCGGACTGGTAACCCCTC 60
DB 166 CAAAGAATTGTGTTAGTCTTGAACAATCTGGAAGCATGCGGACTGGTAACCCCTC 225

QY 61 AATCGACTGAATCAAGCAGCCAGCTTTTCTGCTGCAGACAGTTGAGCTGGGGTCTCG 120
DB 226 AATCGAATGAATCAAGCAGCAAAACATTTCTGCTGCAGACTGTTCAAAATGATCCTG 285

QY 121 GTTGGATGGTGACATTTGACAGTGTGCGCATGTCAAAAGTGAACATCATACGATAAAC 180
DB 286 GTGGGGATGGTTTCACTTTGATAGTACTGCGCACTATTGTAAATAAGCTAATCAAAATAAAA 345

QY 181 AGTGGCAGTGACAGGACACACTCGCCAAAAGATTACCTGCGAGCAGCTTTCAGAGGACG 240
DB 346 ACAGTGATGAAGAAACACACTATGCGAGGATTTACCTATCATATCTCTGGAGGAAT 405

QY 241 TCCATCTGC 249
DB 406 TCCATCTGC 414

RESULT 5
US-09-049-698-16
; Sequence 16, Application US/09049698
; Patent No. 6368792
; GENERAL INFORMATION:
; APPLICANT: BILLING-MEDEL, PATRICIA A.
; APPLICANT: COHEN, MAURICE

;; APPLICANT: COLPITTS, TRACEY L.
;; APPLICANT: FRIEDMAN, PAULA N.
;; APPLICANT: HAYDEN, MARK
;; APPLICANT: KLASS, MICHAEL R.
;; APPLICANT: ROBERTS-RAPP, LISA
;; APPLICANT: RUSSELL, JOHN C.
;; APPLICANT: STROUPE, STEPHEN D.
;; TITLE OF INVENTION: REAGENTS AND METHODS FOR THE
;; TITLE OF INVENTION: USEFUL FOR DETECTING DISEASES OF THE GASTROINTESTINAL
;; TITLE OF INVENTION: TRACT
;; NUMBER OF SEQUENCES: 51
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Abbott Laboratories
;; STREET: 100 Abbott Park Road
;; CITY: Abbott Park
;; STATE: IL
;; COUNTRY: USA
;; ZIP: 60064-3500
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Diskette
;; COMPUTER: IBM Compatible
;; OPERATING SYSTEM: DOS
;; SOFTWARE: Fast-Seq for Windows Version 2.0
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/09/049,698
;; FILING DATE:
;; CLASSIFICATION:
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 08/828,856
;; FILING DATE: 31-MAR-1997
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Becker, Cheryl L.
;; REGISTRATION NUMBER: 35,441
;; REFERENCE/DOCKET NUMBER: 6068.US.P1
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 847/935-1729
;; TELEFAX: 847/938-2623
;; TELEX:
;; INFORMATION FOR SEQ ID NO: 16:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 3043 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; US-09-049-698-16

Query Match 55.6%; Score 140.2; DB 4; Length 3043;
Best Local Similarity 72.7%; Pred. No. 6.3e-38;
Matches 181; Conservative 0; Mismatches 68; Indels 0; Gaps 0;

QY 1 CAAAGAATTGTGTTAGTCTTGAACAATCTGGAAGCATGCGGACTGGTAACCCCTC 60
DB 923 CAAAGAATTGTGTTAGTCTTGAACAATCTGGAAGCATGCGGACTGGTAACCCCTC 982

QY 61 AATCGACTGAATCAAGCAGCCAGCTTTTCTGCTGCAGACAGTTGAGCTGGGGTCTCG 120
DB 983 AATCGAATGAATCAAGCAGCAAAACATTTCTGCTGCAGACTGTTGAAAATGATCCTG 1042

QY 121 GTTGGATGGTGACATTTGACAGTGTGCGCATGTCAAAAGTGAACATCATACGATAAAC 180
DB 1043 GTGGGGATGGTTTCACTTTGATAGTACTGCGCACTATTGTAAATAAGCTAATCAAAATAAAA 1102

QY 181 AGTGGCAGTGACAGGACACACTCGCCAAAAGATTACCTGCGAGCAGCTTTCAGAGGACG 240
DB 1103 ACAGTGATGAAGAAACACACTATGCGAGGATTTACCTATCATATCTCTGGAGGAAT 1162

QY 241 TCCATCTGC 249
DB 1163 TCCATCTGC 1171

RESULT 6
US-09-049-698-18

Sequence 18, Application US/09049698
Patent No. 6368792
GENERAL INFORMATION:
APPLICANT: BILLING-MEDEL, PATRICIA A.
APPLICANT: COHEN, MAURICE
APPLICANT: COLPITTS, TRACEY L.
APPLICANT: FRIEDMAN, PAULA N.
APPLICANT: HAYDEN, MARK
APPLICANT: KLASS, MICHAEL R.
APPLICANT: ROBERTS-RAPP, LISA
APPLICANT: RUSSELL, JOHN C.
APPLICANT: STROUPE, STEPHEN D.
TITLE OF INVENTION: REAGENTS AND METHODS FOR THE
TITLE OF INVENTION: USEFUL FOR DETECTING DISEASES OF THE GASTROINTESTINAL
TITLE OF INVENTION: TRACT
NUMBER OF SEQUENCES: 51
CORRESPONDENCE ADDRESS:
ADDRESSEE: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/049,698
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/828,856
FILING DATE: 31-MAR-1997
ATTORNEY/AGENT INFORMATION:
NAME: Becker, Cheryl L.
REGISTRATION NUMBER: 35,441
REFERENCE/DOCKET NUMBER: 6068.US.PI
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/935-1729
TELEFAX: 847/938-2623
TELEX:
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 3181 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-049-698-18

Query Match 55.6%; Score 140.2; DB 4; Length 3181;
Best Local Similarity 72.7%; Pred. No. 6.4e-38;
Matches 181; Conservative 0; Mismatches 68; Indels 0; Gaps 0;

QY 1 CAAGAATGTGTGTAGTCTTGCACAAATCTGGAAGCATGCGGACTGGTAACCGCTC 60
DB 934 CAAGAATGTGTGTAGTCTTGCACAAATCTGGAAGCATGCGGACTGGTAACCGCTC 993

QY 61 AATCGACTGAATCAAGCAGCGGCGGCTTTTCCTGCTGCAGACAGTTGAGCTGGGCTCCTGG 120
DB 994 AATCGAATGAATCAAGCAGCAAAACATTTCTGCTGCAGACTGTTGAAATGATCCTGG 1053

QY 121 GTTGGATCGTGACATTTGACAGTGTGCTCCCATGATGACAAAGTGAATCATACAGATAAAC 180
DB 1054 GTGGGATGGTTCACTTTCATAGTACTGCCACTATTGTAATAAGCTAATCCAAATAAAA 1113

QY 181 AGTGGCAGTCAGGAGGACACATCCCAAAAGATTACCTGCAGCAGCTTCAGAGGGAGC 240
DB 1114 AGCAGTGATGAAGAAACACATCATGCGAGGATTACCTACATATCCTCTGGAGGAAT 1173

QY 241 TCCATCTGC 249
DB 1177 TTTGC 1181

US-09-049-698-18

Query Match 43.3%; Score 109; DB 4; Length 3022;
Best Local Similarity 65.3%; Pred. No. 3e-27;
Matches 160; Conservative 0; Mismatches 85; Indels 0; Gaps 0;

QY 5 GAATGTGTGTGTAGTCTTGCACAAATCTGGAAGCATGCGGACTGGTAACCGCTCAATC 64
DB 937 GAGT 996

QY 65 GACTGAATCAAGCAGCGGCGGCTTTTCCTGCTGCAGACAGTTGAGCTGGGCTCCTGGTTG 124
DB 997 GAATGAATCAAGCAGCAGCACTGTACTTAATCAATTTGTGAAAGAGAGICTATGGTTG 1056

QY 125 GGATGGTGACATTTGACAGTGTGCTGCCATGTACAAAGTGAATCATACAGATAAACAGTG 184
DB 1057 GATTAGTCACATTTGACAGCGCTGCCACATCCAAATTAATTAATAAATAACGAGTA 1116

QY 185 CGAGTGACAGGACACACTCCCAAAAGATTACCTGCAGCAGCTTCAGAGGGAGGTCCA 244
DB 1117 GTAGTGACTACCAAAAGATACCGCAACCTCCCAACAGGCTTCTGTGGAACTTCAA 1176

QY 245 TCTGC 249
DB 1177 TTTGC 1181

US-09-049-698-4

Sequence 4, Application US/09049698
Patent No. 6368792
GENERAL INFORMATION:
APPLICANT: BILLING-MEDEL, PATRICIA A.
APPLICANT: COHEN, MAURICE
APPLICANT: COLPITTS, TRACEY L.
APPLICANT: FRIEDMAN, PAULA N.
APPLICANT: HAYDEN, MARK
APPLICANT: KLASS, MICHAEL R.
APPLICANT: ROBERTS-RAPP, LISA
APPLICANT: RUSSELL, JOHN C.
APPLICANT: STROUPE, STEPHEN D.
TITLE OF INVENTION: REAGENTS AND METHODS FOR THE
TITLE OF INVENTION: USEFUL FOR DETECTING DISEASES OF THE GASTROINTESTINAL
TITLE OF INVENTION: TRACT
NUMBER OF SEQUENCES: 51
CORRESPONDENCE ADDRESS:
ADDRESSEE: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: IL
COUNTRY: USA
ZIP: 60064-3500

Db 1174 TCCATCTGC 1182

RESULT 7

US-09-193-562D-33
Sequence 33, Application US/09193562D
Patent No. 6309857
GENERAL INFORMATION:
APPLICANT: Pauli, Benedicht U.
TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
FILE REFERENCE: 18617.0052
CURRENT APPLICATION NUMBER: US/09/193,562D
CURRENT FILING DATE: 1998-11-17
PRIOR APPLICATION NUMBER: US/60/065,922
PRIOR FILING DATE: 1997-11-17
NUMBER OF SEQ ID NOS: 47
SEQ ID NO 33
LENGTH: 3022
TYPE: DNA
ORGANISM: Mus musculus
US-09-193-562D-33

COMPUTER READABLE FORM:	
MEDIUM TYPE: Diskette	
COMPUTER: IBM Compatible	
OPERATING SYSTEM: DOS	
SOFTWARE: FastSeq for Windows Version 2.0	
CURRENT APPLICATION DATA:	
APPLICATION NUMBER: US/09/049,698	
FILING DATE:	
CLASSIFICATION:	
PRIOR APPLICATION DATA:	
APPLICATION NUMBER: 08/828,856	
FILING DATE: 31-MAR-1997	
ATTORNEY/AGENT INFORMATION:	
NAME: Becker, Cheryl L.	
REGISTRATION NUMBER: 35,441	
REFERENCE/DOCKET NUMBER: 6068.US.P1	
TELEPHONE: 847/935-1729	
TELEFAX: 847/938-2623	
TELEX:	
INFORMATION FOR SEQ ID NO: 4:	
SEQUENCE CHARACTERISTICS:	
LENGTH: 237 base pairs	
TYPE: nucleic acid	
STRANDEDNESS: single	
TOPOLOGY: linear	
US-09-049-698-4	
Query Match	42.3%; Score 106.6; DB 4; Length 237;
Best Local Similarity	69.4%; Pred. No. 5.6e-27;
Matches 145; Conservative	0; Mismatches 64; Indels 0; Gaps 0;
QY	41 TGGCGACTGGTAACCGCCCTCAATGACACTGAATCAAGCAGGCGCAGCTTTCTCTGCTGCGAGA 100
DB	1 TGGGGGTTAAGACCGCCCTTAATCGATGAATCAAGCAGGCGCAGCTTTCTCTGCTGCGAGA 60
QY	101 CAGTTGAGCTGGGGTCTGGGTTGGATGGTGACATTTGACAGTCTGCCCATGTACAAA 160
DB	61 CTGTTGAAAATGGATCTCTGGTGGGATGTTCACTTTGATAGTACTGCCACTATTGTAA 120
QY	161 GTGAACCTACAGATAACAGTGCAGTGCAGGACAGCAGCTGCCAAAAGATTACTGT 220
DB	121 ATAAGCTAATCAAAATAAAAGCAGTGATGAAGAAGAACACACTCATGGCAGGATTACCTA 180
QY	221 CAGCAGCTTCAGGAGGAGCGTCCATCTGC 249
DB	181 CATATCTCTGGAGGAACTTCATCTGC 209
RESULT 9	
US-09-193-562D-29	
Sequence 29, Application US/09193562D	
Patent No. 6309857	
GENERAL INFORMATION:	
APPLICANT: Pauli, Benedicht U.	
TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium	
FILE REFERENCE: 18617.0052	
CURRENT APPLICATION NUMBER: US/09/193,562D	
PRIOR FILING DATE: 1998-11-17	
PRIOR APPLICATION NUMBER: US/60/065,922	
PRIOR FILING DATE: 1997-11-17	
NUMBER OF SEQ ID NOS: 47	
SEQ ID NO 29	
LENGTH: 3418	
TYPE: DNA	
ORGANISM: Homo sapiens	
US-09-193-562D-29	
Query Match	41.8%; Score 105.4; DB 4; Length 3418;
Best Local Similarity	63.7%; Pred. No. 5.5e-26;
Matches 160; Conservative	0; Mismatches 91; Indels 0; Gaps 0;

[illegible]


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QY      242 CCATCTGCA 250
      |||||
Db      1242 ACATCAGCA 1250

RESULT 14
US-09-542-615A-168
; Sequence 168, Application US/09542615A
; Patent No. 6518256
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy A.
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY
; FILE REFERENCE: 210121.455C8
; CURRENT FILING DATE: 2000-04-14
; CURRENT APPLICATION NUMBER: US/09/542,615A
; NUMBER OF SEQ ID NOS: 350
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 168
; LENGTH: 2784
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-542-615A-168

Query Match      21.3%; Score 53.8; DB 4; Length 2784;
Best Local Similarity 51.0%; Pred. No. 2.3e-08;
Matches 127; Conservative 0; Mismatches 122; Indels 0; Gaps 0;

QY      2 AAAGAATTGTGTTTAGTCTTGACAAATCTGGAAAGCATGGCGACTGGTAACCGCCTCA 61
      |||||
Db      1002 ACAAAAGTGTCTGTTTAGTCTTGATGTCTCCAGCAAGATGGCAGAGGCTGCACAGACTCC 1061

QY      62 ATCGACTGAATCAAGCAGCGCCAGCTTTTCTGCTGCAGACAGTTGAGCTGGGGTCTCTGGG 121
      |||||
Db      1062 TTCAACTACACAAAGCCGCGAGATTTTATTGTATGAGATTGTTGAAATTCATACCTTCG 1121

QY      122 TTGGGATGTGACATTTGACAGTGTGCTGCCCATGTACAAAGTGAACCTACATACAGATAAACA 181
      |||||
Db      1122 TGGGCATTGCCAGTTTTCGACAGAAAGGAGAGATCAGAGCCCGAGCTACACCAAAATTAACA 1181

QY      182 GTGGCAGTCACAGGGGACACACTCGCCAAAAGATTACCTGCAGCAGCTTCAGGAGGACGCT 241
      |||||
Db      1182 GCAATGATGATCGAAAGTTGCTGGTTTCATATCTGCCCCACCACTGTATCAGCTAAAAACAG 1241

QY      242 CCATCTGCA 250
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Db      1242 ACATCAGCA 1250

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Job time : 24.1639 secs

QY      242 CCATCTGCA 250
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Db      1242 ACATCAGCA 1250

RESULT 15
US-09-606-421B-168
; Sequence 168, Application US/09606421B
; Patent No. 6531315
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy
; APPLICANT: Fanger, Gary R.
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.455C9
; CURRENT APPLICATION NUMBER: US/09/606,421B
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OM nucleic - protein search, using frame_plus_n2p model

Run on: April 21, 2004, 16:13:49 ; Search time 36.2806 Seconds
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Title: US-09-049-696-6
Perfect score: 455
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Ygapop 10.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
Delopt 6.0 , Delext 7.0

Searched: 1133595 seqs, 276475211 residues

Total number of hits satisfying chosen parameters: 2267190

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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-MAXLEN=2000000000 -USER=US09049696 @CNG 1.1.139 @runat_21042004_154838_21265
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-FGAPOP=6 -FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

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- 8: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep.*
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- 12: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep.*
- 13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pep.*
- 14: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep.*
- 15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pep.*
- 16: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No. Score Query Match Length DB ID Description

1	418	91.9	869	14	US-10-106-698-6388	Sequence 6388, Ap
2	418	91.9	914	9	US-09-823-356-8	Sequence 8, Appli
3	418	91.9	914	9	US-09-922-217-1066	Sequence 1066, Ap
4	418	91.9	914	9	US-09-833-263-1066	Sequence 1066, Ap
5	418	91.9	914	9	US-09-981-353-192	Sequence 192, App
6	418	91.9	914	11	US-09-833-245-2054	Sequence 2054, Ap
7	418	91.9	914	13	US-10-025-380-1066	Sequence 1066, Ap
8	418	91.9	914	14	US-10-055-412B-28	Sequence 28, Appl
9	418	91.9	914	14	US-10-270-595-6	Sequence 6, Appli
10	418	91.9	914	14	US-10-235-994-26	Sequence 26, Appl
11	418	91.9	914	14	US-10-060-255-42	Sequence 42, Appl
12	418	91.9	914	15	US-10-369-214-133	Sequence 133, App
13	418	91.9	925	9	US-09-764-868-635	Sequence 635, App
14	418	91.9	925	14	US-10-106-698-6248	Sequence 6248, Ap
15	330	72.5	913	14	US-10-270-595-2	Sequence 2, Appli
16	330	72.5	913	15	US-10-369-214-132	Sequence 132, App
17	268	58.9	917	9	US-09-981-353-54	Sequence 54, Appl
18	268	58.9	917	13	US-10-025-167-41	Sequence 41, Appl
19	268	58.9	917	14	US-10-235-994-16	Sequence 16, Appl
20	268	58.9	917	14	US-10-345-680-32	Sequence 32, Appl
21	268	58.9	917	15	US-10-369-214-134	Sequence 134, App
22	268	58.9	917	15	US-10-087-080-34	Sequence 34, Appl
23	268	58.9	919	9	US-09-989-723-379	Sequence 379, App
24	268	58.9	919	9	US-09-989-723-379	Sequence 379, App
25	268	58.9	919	9	US-09-989-723-379	Sequence 379, App
26	268	58.9	919	9	US-09-989-727-379	Sequence 379, App
27	268	58.9	919	9	US-09-989-731-379	Sequence 379, App
28	268	58.9	919	9	US-09-989-732-379	Sequence 379, App
29	268	58.9	919	9	US-09-991-073-379	Sequence 379, App
30	268	58.9	919	9	US-09-990-442-379	Sequence 379, App
31	268	58.9	919	9	US-09-991-163-379	Sequence 379, App
32	268	58.9	919	9	US-09-993-604-379	Sequence 379, App
33	268	58.9	919	9	US-09-990-456-379	Sequence 379, App
34	268	58.9	919	9	US-09-989-721-379	Sequence 379, App
35	268	58.9	919	9	US-09-992-598-379	Sequence 379, App
36	268	58.9	919	9	US-09-989-293A-379	Sequence 379, App
37	268	58.9	919	9	US-09-989-735-379	Sequence 379, App
38	268	58.9	919	9	US-09-990-444-379	Sequence 379, App
39	268	58.9	919	9	US-09-991-181-379	Sequence 379, App
40	268	58.9	919	9	US-09-989-730-379	Sequence 379, App
41	268	58.9	919	9	US-09-990-436-379	Sequence 379, App
42	268	58.9	919	9	US-09-993-687-379	Sequence 379, App
43	268	58.9	919	10	US-09-989-734-379	Sequence 379, App
44	268	58.9	919	10	US-09-997-653-379	Sequence 379, App
45	268	58.9	919	10	US-09-993-667-379	Sequence 379, App

ALIGNMENTS

RESULT 1
US-10-106-698-6388
; Sequence 6388, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptides
; FILE REFERENCE: PA005P1
; CURRENT APPLICATION NUMBER: US/10106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ IDS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 6388
; LENGTH: 869
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: MISC_FEATURE

LOCATION: (14)
OTHER INFORMATION: xaa equals any of the naturally occurring L-amino acids
US-10-106-698-6388

Alignment Scores:
Pred. No.: 9,42e-43 Length: 869
Score: 418.00 Matches: 84
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 91.87% Indels: 0
DB: 14 Gaps: 0

US-09-049-696-6 (1-252) x US-10-106-698-6388 (1-869)

QY 1 CAAGAATTGCTGTTAGTCTCTGACAAATCTGGAAGCATGGCGACTGGTAACCGCCTC 60
DB 259 GlnArgIleValCysLeuValLeuAspLysSerGlySerMetAlaThrGlyAsnArgLeu 278
QY 61 AATCGACTGAATCAAGCAGCGCCAGCTTTTCTGCTGCAGACAGTTGAGCTGGGTCCTGG 120
DB 279 AsnArgLeuAsnGlnAlaGlyGlnLeuPheLeuGlnThrValGluLeuGlySerTrp 298
QY 121 GTTGGAGTGGTACATTTGACAGTGTCTGCCATGTACAAAGTGAACCTATACAGATAAAC 180
DB 299 ValGlyMetValThrPheAspSerAlaAlaHisValGlnSerGluLeuIleGlnIleAsn 318
QY 181 ACTGCGAGTGACAGGACACACTCGCCAAAGATTACCTGCAGCAGCTTCAGGAGGGACG 240
DB 319 SerGlySerAspArgAspThrLeuAlaLysArgLeuProAlaAlaSerGlyGlyThr 338
QY 241 TCCATCTGCAGC 252
DB 339 SerIleCysSer 342

RESULT 2

US-09-823-356-8
Sequence 8, Application US/09823356
Patent No. US20010025098A1
GENERAL INFORMATION:
APPLICANT: Tang, Y. Tom
APPLICANT: Bandman, Olga
APPLICANT: Lal, Preeti
APPLICANT: Hillman, Jennifer L.
APPLICANT: Yue, Henry
APPLICANT: Corley, Neil C.
APPLICANT: Guegler, Karl J.
APPLICANT: Kaser, Matthew R.
APPLICANT: Baughn, Mariah R.
APPLICANT: Shah, Purvi
TITLE OF INVENTION: HUMAN MEMBRANE SPANNING PROTEINS
FILE REFERENCE: PF-0489-1 CON
CURRENT APPLICATION NUMBER: US/09/823,356
CURRENT FILING DATE: 2001-03-30
PRIOR APPLICATION NUMBER: 09/039,307
PRIOR FILING DATE: 1998 March 13
NUMBER OF SEQ ID NOS: 34
SOFTWARE: PERL Program
SEQ ID NO 8
LENGTH: 914
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
OTHER INFORMATION: Incyte ID No. US20010025098A1 1737775
US-09-823-356-8

Alignment Scores:
Pred. No.: 9,53e-43 Length: 914
Score: 418.00 Matches: 84
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 91.87% Indels: 0
DB: 9 Gaps: 0

US-09-049-696-6 (1-252) x US-09-823-356-8 (1-914)

QY 1 CAAGAATTGCTGTTAGTCTCTGACAAATCTGGAAGCATGGCGACTGGTAACCGCCTC 60
DB 304 GlnArgIleValCysLeuValLeuAspLysSerGlySerMetAlaThrGlyAsnArgLeu 323
QY 61 AATCGACTGAATCAAGCAGCGCCAGCTTTTCTGCTGCAGACAGTTGAGCTGGGTCCTGG 120
DB 324 AsnArgLeuAsnGlnAlaGlyGlnLeuPheLeuGlnThrValGluLeuGlySerTrp 343
QY 121 GTTGGAGTGGTACATTTGACAGTGTCTGCCATGTACAAAGTGAACCTATACAGATAAAC 180
DB 344 ValGlyMetValThrPheAspSerAlaAlaHisValGlnSerGluLeuIleGlnIleAsn 363
QY 181 ACTGCGAGTGACAGGACACACTCGCCAAAGATTACCTGCAGCAGCTTCAGGAGGGACG 240
DB 364 SerGlySerAspArgAspThrLeuAlaLysArgLeuProAlaAlaSerGlyGlyThr 383
QY 241 TCCATCTGCAGC 252
DB 384 SerIleCysSer 387

RESULT 3

US-09-922-217-1066
Sequence 1066, Application US/09922217
Patent No. US20020076414A1
GENERAL INFORMATION:
APPLICANT: Xu, Jiangchun
APPLICANT: Lodes, Michael J.
APPLICANT: Secrist, Heather
APPLICANT: Benson, Darin R.
APPLICANT: Meagher, Madeleine Joy
APPLICANT: Stolk, John A.
APPLICANT: Wang, Tongtong
APPLICANT: Jiang, Yugu
APPLICANT: Smith, Carole Lynn
APPLICANT: King, Gordon E.
APPLICANT: Wang, Aijun
APPLICANT: Clapper, Jonathan D.
TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
FILE REFERENCE: 210121.471C13
CURRENT APPLICATION NUMBER: US/09/922,217
CURRENT FILING DATE: 2001-08-03
NUMBER OF SEQ ID NOS: 1124
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 1066
LENGTH: 914
TYPE: PRT
ORGANISM: Homo sapiens
US-09-922-217-1066

Alignment Scores:
Pred. No.: 9,53e-43 Length: 914
Score: 418.00 Matches: 84
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 91.87% Indels: 0
DB: 9 Gaps: 0

US-09-049-696-6 (1-252) x US-09-922-217-1066 (1-914)

QY 1 CAAGAATTGCTGTTAGTCTCTGACAAATCTGGAAGCATGGCGACTGGTAACCGCCTC 60
DB 304 GlnArgIleValCysLeuValLeuAspLysSerGlySerMetAlaThrGlyAsnArgLeu 323
QY 61 AATCGACTGAATCAAGCAGCGCCAGCTTTTCTGCTGCAGACAGTTGAGCTGGGTCCTGG 120
DB 324 AsnArgLeuAsnGlnAlaGlyGlnLeuPheLeuGlnThrValGluLeuGlySerTrp 343
QY 121 GTTGGAGTGGTACATTTGACAGTGTCTGCCATGTACAAAGTGAACCTATACAGATAAAC 180

Db 344 ValGlyMetValThrPheAspSerAlaAlaHisValGlnSerGluLeuIleGlnIleAsn 363
QY 181 AGTGCAGTGACAGGACACACTCGCCAAAGATTACCTGCAGCAGCTTCAGAGGAGCG 240
Db 364 SerGlySerAspArgAspThrLeuAlaLysArgLeuProAlaAlaSerGlyGlyThr 383
QY 241 TCCATCTGCAGC 252
Db 384 SerIleCysSer 387

RESULT 4

US-09-833-263-1066
; Sequence 1066, Application US/09833263
; Patent No. US20020110547A1

; GENERAL INFORMATION:

; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; APPLICANT: Stolk, John A.
; APPLICANT: Meagher, Madeleine J.

; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND

; FILE OF INVENTION: DIAGNOSIS OF COLON CANCER AND METHODS FOR THEIR USE

; FILE REFERENCE: 210121.471C12

; CURRENT APPLICATION NUMBER: US/09/833,263

; CURRENT FILING DATE: 2001-04-10

; NUMBER OF SEQ ID NOS: 1093

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 1066

; LENGTH: 914

; TYPE: PRT

; ORGANISM: Homo sapiens

US-09-833-263-1066

Alignment Scores:

Pred. No.:	9,53e-43	Length:	914
Score:	418.00	Matches:	84
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	91.87%	Indels:	0
DB:	9	Gaps:	0

US-09-049-696-6 (1-252) x US-09-833-263-1066 (1-914)

QY 1 CAAAGAAATTGTGTGTTAGTCTTGACAAATCTGGAAGCATGGCGACTGGTAACCGCCTC 60

Db 304 GlnArgIleValCysLeuValLeuAspLysSerGlySerMetAlaThrGlyAsnArgLeu 323

QY 61 AATCGACTGAATCAAGCAGCGCAGCTTTTCTGCTGCAGACAGTTGAGCTGGGTCCTGG 120

Db 324 AsnArgLeuAsnGlnAlaGlyGlnLeuPheLeuGlnThrValGluLeuGlySerTrp 343

QY 121 GTTGGATGGTGACATTTGACAGTGTGCTCCCATGTACAAAGTGAACATCAGACATAAAC 180

Db 344 ValGlyMetValThrPheAspSerAlaAlaHisValGlnSerGluLeuIleGlnIleAsn 363

QY 181 AGTGCAGTGACAGGACACACTCGCCAAAGATTACCTGCAGCAGCTTCAGAGGAGCG 240

Db 364 SerGlySerAspArgAspThrLeuAlaLysArgLeuProAlaAlaSerGlyGlyThr 383

QY 241 TCCATCTGCAGC 252

Db 384 SerIleCysSer 387

RESULT 5

US-09-981-353-192

; Sequence 192, Application US/09981353

; Patent No. US20020160382A1

; GENERAL INFORMATION:

; APPLICANT: Lasek, Amy W.

; APPLICANT: Jones, David A.

; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER

; FILE REFERENCE: PA-0038 US

; CURRENT APPLICATION NUMBER: US/09/981,353

; CURRENT FILING DATE: 2001-10-11

; NUMBER OF SEQ ID NOS: 194
; SOFTWARE: PERL Program
; SEQ ID NO 192
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No. US20020160382A1 1737775CD1
US-09-981-353-192

Alignment Scores:

Pred. No.:	9,53e-43	Length:	914
Score:	418.00	Matches:	84
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	91.87%	Indels:	0
DB:	9	Gaps:	0

US-09-049-696-6 (1-252) x US-09-981-353-192 (1-914)

QY 1 CAAAGAAATTGTGTGTTAGTCTTGACAAATCTGGAAGCATGGCGACTGGTAACCGCCTC 60

Db 304 GlnArgIleValCysLeuValLeuAspLysSerGlySerMetAlaThrGlyAsnArgLeu 323

QY 61 AATCGACTGAATCAAGCAGCGCAGCTTTTCTGCTGCAGACAGTTGAGCTGGGTCCTGG 120

Db 324 AsnArgLeuAsnGlnAlaGlyGlnLeuPheLeuGlnThrValGluLeuGlySerTrp 343

QY 121 GTTGGATGGTGACATTTGACAGTGTGCTCCCATGTACAAAGTGAACATCAGACATAAAC 180

Db 344 ValGlyMetValThrPheAspSerAlaAlaHisValGlnSerGluLeuIleGlnIleAsn 363

QY 181 AGTGCAGTGACAGGACACACTCGCCAAAGATTACCTGCAGCAGCTTCAGAGGAGCG 240

Db 364 SerGlySerAspArgAspThrLeuAlaLysArgLeuProAlaAlaSerGlyGlyThr 383

QY 241 TCCATCTGCAGC 252

Db 384 SerIleCysSer 387

RESULT 6

US-09-833-245-2054

; Sequence 2054, Application US/09833245

; Publication No. US20040010134A1

; GENERAL INFORMATION:

; APPLICANT: Human Genome Sciences, Inc.

; TITLE OF INVENTION: Albumin Fusion Proteins

; FILE REFERENCE: PFS46PCT

; CURRENT APPLICATION NUMBER: US/09/833,245

; CURRENT FILING DATE: 2001-04-12

; PRIOR APPLICATION NUMBER: 60/229,358

; PRIOR FILING DATE: 2000-04-12

; PRIOR APPLICATION NUMBER: 60/256,931

; PRIOR FILING DATE: 2000-12-21

; PRIOR APPLICATION NUMBER: 60/199,384

; PRIOR FILING DATE: 2000-04-25

; NUMBER OF SEQ ID NOS: 2267

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 2054

; LENGTH: 914

; TYPE: PRT

; ORGANISM: Homo sapiens

US-09-833-245-2054

Alignment Scores:

Pred. No.:	9,53e-43	Length:	914
Score:	418.00	Matches:	84
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	91.87%	Indels:	0
DB:	11	Gaps:	0

US-09-049-696-6 (1-252) x US-09-833-245-2054 (1-914)

QY 1 CAAGAATTGTGTTAGTCTTGACAAATCTGGAAGCATGGCAGCTGGTAACCGCTC 60
DB GlnArgIleValCysLeuValLeuAspLysSerGlySerMetAlaThrGlyAsnArgLeu 323
QY 61 AATCGACTGAATCAAGCAGCGCCAGCTTTTCCTGCTGCAGACAGTTGAGCTGGGTCCTGG 120
DB AsnArgLeuAsnGlnAlaGlyGlnLeuPheLeuGlnThrValGluLeuGlySerTrp 343
QY 121 GTTGGATGTCGACATTTGACAGTGTGCCCATGTACAAAGTGAACCTCATACAGATAAAC 180
DB ValGlyMetValThrPheAspSerAlaAlaHisValGlnSerGluLeuIleGlnIleAsn 363
QY 181 AGTGGCAGTGACAGGACACACTCGCCAAAGATTTACCTGCAGCAGCTTCAGAGGGAGC 240
DB SerGlySerAspArgAspThrLeuAlaLysArgLeuProAlaAlaAsnSerGlyGlyThr 383
QY 241 TCCATCTGCAGC 252
DB SerIleCysSer 387

RESULT 7

US-10-025-380-1066
; Sequence 1066, Application US/10025380
; Publication No. US20020182191A1
; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather
; APPLICANT: Benson, Darin R.
; APPLICANT: Meagher, Madeleine Joy
; APPLICANT: Stolk, John A.
; APPLICANT: Wang, Tongtong
; APPLICANT: Jiang, Yugu
; APPLICANT: Smith, Carole L.
; APPLICANT: King, Gordon E.
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; APPLICANT: Skeiky, Yasir A. W.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Vedwick Thomas S.
; APPLICANT: Carter, Darrick
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; FILE REFERENCE: 210121.471C14
; CURRENT APPLICATION NUMBER: US/10/025,380
; CURRENT FILING DATE: 2001-12-19
; NUMBER OF SEQ ID NOS: 1129
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1066
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-025-380-1066

Alignment Scores:
Pred. No.: 9,53e-43 Length: 914
Score: 418.00 Matches: 84
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 91.87% Indels: 0
DB: 13 Gaps: 0

US-09-049-696-6 (1-252) x US-10-025-380-1066 (1-914)

QY 1 CAAGAATTGTGTTAGTCTTGACAAATCTGGAAGCATGGCAGCTGGTAACCGCTC 60
DB GlnArgIleValCysLeuValLeuAspLysSerGlySerMetAlaThrGlyAsnArgLeu 323
QY 61 AATCGACTGAATCAAGCAGCGCCAGCTTTTCCTGCTGCAGACAGTTGAGCTGGGTCCTGG 120
DB AsnArgLeuAsnGlnAlaGlyGlnLeuPheLeuGlnThrValGluLeuGlySerTrp 343

QY 121 GTTGGATGTCGACATTTGACAGTGTGCCCATGTACAAAGTGAACCTCATACAGATAAAC 180
DB ValGlyMetValThrPheAspSerAlaAlaHisValGlnSerGluLeuIleGlnIleAsn 363
QY 181 AGTGGCAGTGACAGGACACACTCGCCAAAGATTTACCTGCAGCAGCTTCAGAGGGAGC 240
DB SerGlySerAspArgAspThrLeuAlaLysArgLeuProAlaAlaAsnSerGlyGlyThr 383
QY 241 TCCATCTGCAGC 252
DB SerIleCysSer 387

RESULT 8

US-10-055-412B-28
; Sequence 28, Application US/10055412B
; Publication No. US20030059861A1
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; FILE REFERENCE: 18617.0058
; CURRENT APPLICATION NUMBER: US/10/055,412B
; CURRENT FILING DATE: 2001-10-29
; PRIOR APPLICATION NUMBER: US/09/193,562
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 28
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-055-412B-28

Alignment Scores:
Pred. No.: 9,53e-43 Length: 914
Score: 418.00 Matches: 84
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 91.87% Indels: 0
DB: 14 Gaps: 0

US-09-049-696-6 (1-252) x US-10-055-412B-28 (1-914)

QY 1 CAAGAATTGTGTTAGTCTTGACAAATCTGGAAGCATGGCAGCTGGTAACCGCTC 60
DB GlnArgIleValCysLeuValLeuAspLysSerGlySerMetAlaThrGlyAsnArgLeu 323
QY 61 AATCGACTGAATCAAGCAGCGCCAGCTTTTCCTGCTGCAGACAGTTGAGCTGGGTCCTGG 120
DB AsnArgLeuAsnGlnAlaGlyGlnLeuPheLeuGlnThrValGluLeuGlySerTrp 343
QY 121 GTTGGATGTCGACATTTGACAGTGTGCCCATGTACAAAGTGAACCTCATACAGATAAAC 180
DB ValGlyMetValThrPheAspSerAlaAlaHisValGlnSerGluLeuIleGlnIleAsn 363
QY 181 AGTGGCAGTGACAGGACACACTCGCCAAAGATTTACCTGCAGCAGCTTCAGAGGGAGC 240
DB SerGlySerAspArgAspThrLeuAlaLysArgLeuProAlaAlaAsnSerGlyGlyThr 383
QY 241 TCCATCTGCAGC 252
DB SerIleCysSer 387

RESULT 9

US-10-270-595-6
; Sequence 6, Application US/10270595
; Publication No. US20030078409A1
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; FILE REFERENCE: Atopic Allergies, Including Asthma and Related

```

; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/10/270,595
; CURRENT FILING DATE: 2002-10-16
; PRIOR APPLICATION NUMBER: US/09/623,624
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,472
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 6
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-270-595-6

Alignment Scores:
Pred. No.:          9,53e-43      Length:          914
Score:              418.00        Matches:          84
Percent Similarity: 100.00%      Conservative:     0
Best Local Similarity: 100.00%    Mismatches:      0
Query Match:        91.87%       Indels:           0
DB:                  14          Gaps:             0

US-09-049-696-6 (1-252) x US-10-270-595-6 (1-914)

QY 1 CAAAGAAATGTTGTTAGTCTTGAACAATCTGGAGCATGCGACTGTTAACCCGCTC 60
Db 304 GlnArgIleValCysLeuValLeuAspLysSerGlySerMetAlaThrGlyAsnArgLeu 323
QY 61 AATCGACTGAATCAACAGCCAGCTTTCTCTGCTGCAGACAGTTGAGCTGGGGTCTGG 120
Db 324 AsnArgLeuAsnGlnAlaGlyGlnPheLeuLeuGlnThrValGluLeuGlySerTrp 343
QY 121 GTTGGATGTTGACATTTGACAGTGTGCCCATGTACAAAGTGAACATCATACAGATAAAC 180
Db 344 ValGlyMetValThrPheAspSerAlaAlaHisValGlnSerGluLeuGlnIleAsn 363
QY 181 AGTGGCAGTGACAGGACACACTCGCCAAAGATTACCTGCAGCAGCTTCAGGAGGAGC 240
Db 364 SerGlySerAspArgAspThrLeuAlaLysArgLeuProAlaAlaAlaSerGlyGlyThr 383
QY 241 TCCATCTGCAGC 252
Db 384 SerIleCysSer 387

RESULT 10
US-10-235-994-26
; Sequence 26, Application US/10235994
; Publication No. US20030101002A1
; GENERAL INFORMATION:
; APPLICANT: Bartha, Gabor
; APPLICANT: Walker, Michael
; TITLE OF INVENTION: METHODS FOR ANALYZING GENE EXPRESSION PATTERNS
; FILE REFERENCE: ICYTP012
; CURRENT APPLICATION NUMBER: US/10/235,994
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; CURRENT FILING DATE: 2002-09-04
; PRIOR APPLICATION NUMBER: US/10/003,608
; PRIOR FILING DATE: 2001-11-01
; PRIOR APPLICATION NUMBER: 60/245,081
; PRIOR FILING DATE: 2000-11-01
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 26
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Human
US-10-235-994-26

Alignment Scores:
Pred. No.:          9,53e-43      Length:          914
Score:              418.00        Matches:          84
Percent Similarity: 100.00%      Conservative:     0
Best Local Similarity: 100.00%    Mismatches:      0
Query Match:        91.87%       Indels:           0
DB:                  14          Gaps:             0

US-09-049-696-6 (1-252) x US-10-235-994-26 (1-914)

QY 1 CAAAGAAATGTTGTTAGTCTTGAACAATCTGGAGCATGCGACTGTTAACCCGCTC 60
Db 304 GlnArgIleValCysLeuValLeuAspLysSerGlySerMetAlaThrGlyAsnArgLeu 323
QY 61 AATCGACTGAATCAACAGCCAGCTTTCTCTGCTGCAGACAGTTGAGCTGGGGTCTGG 120
Db 324 AsnArgLeuAsnGlnAlaGlyGlnPheLeuLeuGlnThrValGluLeuGlySerTrp 343
QY 121 GTTGGATGTTGACATTTGACAGTGTGCCCATGTACAAAGTGAACATCATACAGATAAAC 180
Db 344 ValGlyMetValThrPheAspSerAlaAlaHisValGlnSerGluLeuGlnIleAsn 363
QY 181 AGTGGCAGTGACAGGACACACTCGCCAAAGATTACCTGCAGCAGCTTCAGGAGGAGC 240
Db 364 SerGlySerAspArgAspThrLeuAlaLysArgLeuProAlaAlaAlaSerGlyGlyThr 383
QY 241 TCCATCTGCAGC 252
Db 384 SerIleCysSer 387

RESULT 11
US-10-060-255-42
; Sequence 42, Application US/10060255
; Publication No. US20030113840A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 25 Human secreted proteins
; FILE REFERENCE: P2042P1
; CURRENT APPLICATION NUMBER: US/10/060,255
; CURRENT FILING DATE: 2002-02-01
; PRIOR APPLICATION NUMBER: 09/781,417
; PRIOR FILING DATE: 2001-02-13
; PRIOR APPLICATION NUMBER: PCT/US00/22325
; PRIOR FILING DATE: 2000-08-16
; PRIOR APPLICATION NUMBER: 60/149,182
; PRIOR FILING DATE: 1999-08-17
; NUMBER OF SEQ ID NOS: 86
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 42
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-060-255-42

Alignment Scores:
Pred. No.:          9,53e-43      Length:          914
Score:              418.00        Matches:          84
Percent Similarity: 100.00%      Conservative:     0
Best Local Similarity: 100.00%    Mismatches:      0
Query Match:        91.87%       Indels:           0
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DB: 14 Gaps: 0
US-09-049-696-6 (1-252) x US-10-060-255-42 (1-914)
QY 1 CAAAGAAATGTGTGTTAGTCTTGACAAATCTGGAAGCATGGCGACTGGTAAACGCCTC 60
DB 304 GlnArgIleValCysLeuValLeuAspLysSerGlySerMetAlaThrGlyAsnArgLeu 323
QY 61 AATCGACTCAATCAACGAGCCAGCTTTCCCTGCTGCACAGATGTCAGCTGGGTCCCTGG 120
DB 324 AsnArgLeuAsnGlnAlaGlyGlnLeuPheLeuLeuGlnThrValGluLeuGlySerTrp 343
QY 121 GTTGGGATCGTGCACATTTGACAGTGTGCCCTGATGTACAAAGTCAACTCATACAGATAAAC 180
DB 344 ValGlyMetValThrPheAspSerAlaAlaHisValGlnSerGluLeuLeuGlnIleAsn 363
QY 181 AGTGGCAGTGACAGGACACACTCGCCAAAGATTAACCTGCGAGCTTCAGAGGGAGC 240
DB 364 SerGlySerAspArgAspThrLeuAlaLysArgLeuProAlaAlaSerGlyGlyThr 383
QY 241 TCCATCTGCAGC 252
DB 384 SerIleCysSer 387
RESULT 12
US-10-369-214-133
; Sequence 133, Application US/10369214
; Publication No. US20030232037A1
; GENERAL INFORMATION:
; APPLICANT: Groot, Pieter C.
; APPLICANT: Bergenhenegouwen van, Bram J.
; APPLICANT: Oosterhout van, Antoon J.M.
; TITLE OF INVENTION: Genes involved in immune related responses observed
; TITLE OF INVENTION: with asthma
; FILE REFERENCE: P53837US00
; CURRENT APPLICATION NUMBER: US/10/369,214
; CURRENT FILING DATE: 2003-02-15
; PRIOR APPLICATION NUMBER: EP 00202867.8
; PRIOR FILING DATE: 2000-08-16
; PRIOR APPLICATION NUMBER: PCT/NL01/00610
; PRIOR FILING DATE: 2001-08-16
; NUMBER OF SEQ ID NOS: 139
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 133
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (1)..(914)
; OTHER INFORMATION: /note="Human CLCA1"
US-10-369-214-133
Alignment Scores:
Pred. No.: 9,53e-43 Length: 914
Score: 418.00 Matches: 84
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 91.87% Indels: 0
DB: 15 Gaps: 0
US-09-049-696-6 (1-252) x US-10-369-214-133 (1-914)
QY 1 CAAAGAAATGTGTGTTAGTCTTGACAAATCTGGAAGCATGGCGACTGGTAAACGCCTC 60
DB 304 GlnArgIleValCysLeuValLeuAspLysSerGlySerMetAlaThrGlyAsnArgLeu 323
QY 61 AATCGACTCAATCAACGAGCCAGCTTTCCCTGCTGCACAGATGTCAGCTGGGTCCCTGG 120
DB 324 AsnArgLeuAsnGlnAlaGlyGlnLeuPheLeuLeuGlnThrValGluLeuGlySerTrp 343
QY 121 GTTGGGATCGTGCACATTTGACAGTGTGCCCTGATGTACAAAGTCAACTCATACAGATAAAC 180
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DB 344 ValGlyMetValThrPheAspSerAlaAlaHisValGlnSerGluLeuLeuGlnIleAsn 363
QY 181 AGTGGCAGTGACAGGACACACTCGCCAAAGATTAACCTGCGAGCTTCAGAGGGAGC 240
DB 364 SerGlySerAspArgAspThrLeuAlaLysArgLeuProAlaAlaSerGlyGlyThr 383
QY 241 TCCATCTGCAGC 252
DB 384 SerIleCysSer 387
RESULT 13
US-09-764-868-635
; Sequence 635, Application US/09764868
; Patent No. US20020168711A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PT232
; CURRENT APPLICATION NUMBER: US/09/764,868
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 1510
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 635
; LENGTH: 925
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-764-868-635
Alignment Scores:
Pred. No.: 9,56e-43 Length: 925
Score: 418.00 Matches: 84
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 91.87% Indels: 0
DB: 9 Gaps: 0
US-09-049-696-6 (1-252) x US-09-764-868-635 (1-925)
QY 1 CAAAGAAATGTGTGTTAGTCTTGACAAATCTGGAAGCATGGCGACTGGTAAACGCCTC 60
DB 315 GlnArgIleValCysLeuValLeuAspLysSerGlySerMetAlaThrGlyAsnArgLeu 334
QY 61 AATCGACTCAATCAACGAGCCAGCTTTCCCTGCTGCACAGATGTCAGCTGGGTCCCTGG 120
DB 335 AsnArgLeuAsnGlnAlaGlyGlnLeuPheLeuLeuGlnThrValGluLeuGlySerTrp 354
QY 121 GTTGGGATCGTGCACATTTGACAGTGTGCCCTGATGTACAAAGTCAACTCATACAGATAAAC 180
DB 355 ValGlyMetValThrPheAspSerAlaAlaHisValGlnSerGluLeuLeuGlnIleAsn 374
QY 181 AGTGGCAGTGACAGGACACACTCGCCAAAGATTAACCTGCGAGCTTCAGAGGGAGC 240
DB 375 SerGlySerAspArgAspThrLeuAlaLysArgLeuProAlaAlaSerGlyGlyThr 394
QY 241 TCCATCTGCAGC 252
DB 395 SerIleCysSer 398
RESULT 14
US-10-106-698-6248
; Sequence 6248, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptides
; FILE REFERENCE: PA005P1
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
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; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 6248
; LENGTH: 925
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-106-698-6248

Alignment Scores:
Pred. No.: 9 56e-43 Length: 925
Score: 418.00 Matches: 84
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 91.87% Indels: 0
DB: 14 Gaps: 0

US-09-049-696-6 (1-252) x US-10-106-698-6248 (1-925)
QY 1 CAAGAATTGTGTGTTAGTCTTGAACAATCTGGAAGCATGCGACTGTTAACCCGCTC 60
Db 315 GlnArgIleValCysLeuValLeuAspLysSerGlySerMetAlaThrGlyAsnArgLeu 334
QY 61 AATCGACTGAATCAAGCAGCCAGCTTTTCCTCTGCGACAGCTTGGGCTCTGG 120
Db 335 AsnArgLeuAsnGlnAlaGlyGlnLeuPheLeuGlnThrValGluLeuGlySerTrp 354
QY 121 GTTGGGATGGTGACATTTGACAGTGTGCTGCCCATGTACAAAGTGAACTCATACAGATAAAC 180
Db 355 ValGlyMetValThrPheAspSerAlaAlaHisValGlnSerGluLeuIleGlnIleAsn 374
QY 181 AGTGGCAGTGACAGGACACACTCGCCAAAAGATTACCTGCGACGCTTCAGGAGGAGCG 240
Db 375 SerGlySerAspArgAspThrLeuAlaLysArgLeuProAlaAlaSerGlyGlyThr 394
QY 241 TCATCTGCAGC 252
Db 395 SerIleCysSer 398

RESULT 15
US-10-270-595-2
; Sequence 2, Application US/10270595
; Publication No. US20030078409A1
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/10/270,595
; CURRENT FILING DATE: 2002-10-16
; PRIOR APPLICATION NUMBER: US/09/623,624
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,472
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; PRIOR FILING DATE: 1996-08-23
; Remaining Prior Application data removed - See File Wrapper or PALM.
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; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 913
; TYPE: PRT
; ORGANISM: Mus musculus
; US-10-270-595-2

Alignment Scores:
Pred. No.: 8 37e-32 Length: 913
Score: 330.00 Matches: 65
Percent Similarity: 86.90% Conservative: 8
Best Local Similarity: 77.38% Mismatches: 11
Query Match: 72.53% Indels: 0
DB: 14 Gaps: 0

US-09-049-696-6 (1-252) x US-10-270-595-2 (1-913)
QY 1 CAAGAATTGTGTGTTAGTCTTGAACAATCTGGAAGCATGCGACTGTTAACCCGCTC 60
Db 305 GlnArgIleValCysLeuValLeuAspLysSerGlySerMetLeuAsnAspArgLeu 324
QY 61 AATCGACTGAATCAAGCAGCCAGCTTTTCCTCTGCGACAGCTTGGGCTCTGG 120
Db 325 AsnArgMetAsnGlnAlaSerArgLeuPheLeuLeuGlnThrValGluGlnGlySerTrp 344
QY 121 GTTGGGATGGTGACATTTGACAGTGTGCTGCCCATGTACAAAGTGAACTCATACAGATAAAC 180
Db 345 ValGlyMetValThrPheAspSerAlaAlaIleValGlnSerGluLeuLysGlnLeuAsn 364
QY 181 AGTGGCAGTGACAGGACACACTCGCCAAAAGATTACCTGCGACGCTTCAGGAGGAGCG 240
Db 365 SerGlyAlaAspArgAspLeuLeuIleLysHisLeuProThrValSerAlaGlyGlyThr 384
QY 241 TCATCTGCAGC 252
Db 385 SerIleCysSer 388
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Search completed: April 21, 2004, 16:38:49
Job time : 39.2806 secs

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Db 324 AsnArgLeuAsnGlnAlaGlyGlnLeuPheLeuLeuGlnThrValGluLeuGlySerTrp 343
QY 121 GTTGGATGGTACATTTTACAGAGTGTCCCATGTACAAAGTGAAGTCACTATACAGATAAAC 180
Db 344 ValGlyMetValThrPheAspSerAlaAlaHisValGlnSerGluLeuIleGlnIleAsn 363
QY 181 AGTGGCAGTGACAGGACACACTCGCCAAAGATTACCTGCAGCAGCTTTCAGAGGGAGC 240
Db 364 SerGlySerAspArgAspThrLeuAlaLysArgLeuProAlaAlaSerGlyGlyThr 383
QY 241 TCCATCTGCAGC 252
Db 384 SerIleCysSer 387

RESULT 2

US-09-623-624-6
; Sequence 6, Application US/09623624
; Patent No. 6576434
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/09/623,624
; CURRENT FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,472
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,110
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,168
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/980,872
; PRIOR FILING DATE: 1997-12-01
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 6
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-623-624-6

Alignment Scores:
Pred. No.: 6,32e-48 Length: 914
Score: 418.00 Matches: 84
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 91.87% Indels: 0
DB: 4 Gaps: 0

US-09-049-696-6 (1-252) x US-09-623-624-6 (1-914)

QY 1 CAAGAATTTGTGTGTAGTCTTTCACAAATCTGGAAGCATGGCGACTGGTAACCGCTTC 60
Db 304 GlnArgIleValCysLeuValLeuAspLysSerGlySerMetAlaThrGlyAsnArgLeu 323
QY 61 AATCGACTGAATCAAGCAGCGAGCTTTTCTCTGCTGCAGACAGTGTGAGCTGGGCTCTGG 120

Db 324 AsnArgLeuAsnGlnAlaGlyGlnLeuPheLeuLeuGlnThrValGluLeuGlySerTrp 343
QY 121 GTTGGATGGTACATTTTACAGAGTGTCCCATGTACAAAGTGAAGTCACTATACAGATAAAC 180
Db 344 ValGlyMetValThrPheAspSerAlaAlaHisValGlnSerGluLeuIleGlnIleAsn 363
QY 181 AGTGGCAGTGACAGGACACACTCGCCAAAGATTACCTGCAGCAGCTTTCAGAGGGAGC 240
Db 364 SerGlySerAspArgAspThrLeuAlaLysArgLeuProAlaAlaSerGlyGlyThr 383
QY 241 TCCATCTGCAGC 252
Db 384 SerIleCysSer 387

RESULT 3

US-09-623-624-2
; Sequence 2, Application US/09623624
; Patent No. 6576434
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/09/623,624
; CURRENT FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,472
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,110
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,168
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/980,872
; PRIOR FILING DATE: 1997-12-01
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 2
; LENGTH: 913
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-623-624-2

Alignment Scores:
Pred. No.: 5,56e-36 Length: 913
Score: 330.00 Matches: 65
Percent Similarity: 86.90% Conservative: 8
Best Local Similarity: 77.38% Mismatches: 11
Query Match: 72.53% Indels: 0
DB: 4 Gaps: 0

US-09-049-696-6 (1-252) x US-09-623-624-2 (1-913)

QY 1 CAAGAATTTGTGTGTAGTCTTTCACAAATCTGGAAGCATGGCGACTGGTAACCGCTTC 60
Db 305 GlnArgIleValCysLeuValLeuAspLysSerGlySerMetLeuAsnAspArgLeu 324


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QY 61 AATCGACTGAATCAAGCAGCCAGCTTTTCCTGCTGCACACAGATTGAGTGGGGTCTCG 120
Db 325 AsnArgMetAsnGlnAlaSerArgPheLeuLeuGlnThrValGluGlnGlySerTrp 344
QY 121 GTTGGGATGTCACATTCGACAGTGTGCTGCCCATGTACAAAGTGAACCTCATACAGATAAAC 180
Db 345 ValGlyMetValThrPheAspSerAlaAlaTyrValGlnSerGluLeuLysGlnLeuAsn 364
QY 181 ACTGCAGTGCAGGAGCAGACTCGCCAAAGATTACCTGCAGCAGCTTCAGAGGGAGC 240
Db 365 SerGlyAlaAspArgAspLeuLeuLysHisLeuProThrValSerAlaGlyGlyThr 384
QY 241 TCCATCTGCAGC 252
Db 385 SerIleCysSer 388

RESULT 4
US-09-049-698-41
; Sequence 41, Application US/09049698
; Patent No. 6368792
; GENERAL INFORMATION:
; APPLICANT: BILLING-MEDEL, PATRICIA A.
; APPLICANT: COHEN, MAURICE
; APPLICANT: COLPITTS, TRACEY L.
; APPLICANT: FRIEDMAN, PAULA N.
; APPLICANT: HAYDEN, MARK
; APPLICANT: KLASS, MICHAEL R.
; APPLICANT: ROBERTS-RAPP, LISA
; APPLICANT: RUSSELL, JOHN C.
; APPLICANT: STROUPE, STEPHEN D.
; TITLE OF INVENTION: REAGENTS AND METHODS FOR THE
; DETECTION OF SEQUENCES: 51
; NUMBER OF SEQUENCES: 51
; TITLE OF INVENTION: TRACT
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Abbott Laboratories
; STREET: 100 Abbott Park Road
; CITY: Abbott Park
; STATE: IL
; COUNTRY: USA
; ZIP: 60064-3500
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/049,698
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/828,856
; FILING DATE: 31-MAR-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Becker, Cheryl L.
; REGISTRATION NUMBER: 35,441
; REFERENCE/DOCKET NUMBER: 6068.US.P1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 847/935-1729
; TELEFAX: 847/938-2623
; TELEX:
; INFORMATION FOR SEQ ID NO: 41:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 917 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: No. 6368792e
US-09-049-698-41

Alignment Scores:
Pred. No.: 1.45e-27 Length: 917
Score: 268.00 Matches: 56
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Percent Similarity: 76.13% Conservative: 8
Best Local Similarity: 66.67% Mismatches: 20
Query Match: 58.90% Indels: 0
DB: 4 Gaps: 0

US-09-049-696-6 (1-252) x US-09-049-698-41 (1-917)

QY 1 CAAAGAATTGTGTGTTAGTCTTGCACAAATCTGGAAGCATGCGACTGGTAACCGCCTC 60
Db 304 GlnArgIleValCysLeuValLeuAspLysSerGlySerMetGlyGlyLysAspArgLeu 323
QY 61 AATCGACTGAATCAAGCAGCCAGCTTTTCCTGCTGCACACAGATTGAGTGGGGTCTCG 120
Db 324 AsnArgMetAsnGlnAlaAlaLysHisPheLeuLeuGlnThrValGluAsnGlySerTrp 343
QY 121 GTTGGGATGTCACATTCGACAGTGTGCTGCCCATGTACAAAGTGAACCTCATACAGATAAAC 180
Db 344 ValGlyMetValHisPheAspSerThrAlaThrIleValAsnLysLeuIleGlnIleLys 363
QY 181 ACTGCAGTGCAGGAGCAGCAGCTCGCCAAAGATTACCTGCAGCAGCTTCAGAGGGAGC 240
Db 364 SerSerAspGluArgAsnThrLeuMetAlaGlyLeuProThrTyrProLeuGlyGlyThr 383
QY 241 TCCATCTGCAGC 252
Db 384 SerIleCysSer 387

RESULT 5
US-09-193-562D-34
; Sequence 34, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; FILE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 34
; LENGTH: 902
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-193-562D-34

Alignment Scores:
Pred. No.: 7.47e-25 Length: 902
Score: 248.00 Matches: 51
Percent Similarity: 74.70% Conservative: 11
Best Local Similarity: 61.45% Mismatches: 21
Query Match: 54.51% Indels: 0
DB: 4 Gaps: 0

US-09-049-696-6 (1-252) x US-09-193-562D-34 (1-902)

QY 1 CAAAGAATTGTGTGTTAGTCTTGCACAAATCTGGAAGCATGCGACTGGTAACCGCCTC 60
Db 306 ArgArgValValCysLeuValLeuAspLysSerGlySerMetAspLysGluAspArgLeu 325
QY 61 AATCGACTGAATCAAGCAGCCAGCTTTTCCTGCTGCACACAGATTGAGTGGGGTCTCG 120
Db 326 IleArgMetAsnGlnAlaAlaGluLeuTyrLeuThrGlnIleValGluLysGluSerMet 345
QY 121 GTTGGGATGTCACATTCGACAGTGTGCTGCCCATGTACAAAGTGAACCTCATACAGATAAAC 180
Db 346 ValGlyLeuValThrPheAspSerAlaAlaHisIleGlnAsnTyrLeuIleLysIleThr 365
QY 181 ACTGCAGTGCAGGAGCAGCAGCTCGCCAAAGATTACCTGCAGCAGCTTCAGAGGGAGC 240
Db 366 SerSerSerAspTyrGlnLysIleThrAlaAlaAsnLeuProGlnGlnAlaSerGlyGlyThr 385
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QY 241 TCCATCTGC 249

Db 386 SerilleCys 388

RESULT 6

US-09-193-562D-46

; Sequence 46, Application US/09193562D

; Patent No. 6309857

; GENERAL INFORMATION:

; APPLICANT: Pauli, Benedicht U.

; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium

; FILE OF INVENTION: Activated Chloride Channel-Adhesion Molecules

; FILE REFERENCE: 18617.0052

; CURRENT APPLICATION NUMBER: US/09/193,562D

; CURRENT FILING DATE: 1998-11-17

; PRIOR APPLICATION NUMBER: US/60/065,922

; PRIOR FILING DATE: 1997-11-17

; NUMBER OF SEQ ID NOS: 47

; SEQ ID NO 46

; LENGTH: 903

; TYPE: PRT

; ORGANISM: Unknown

; FEATURE:

; OTHER INFORMATION: Calcium sensitive chloride channel from bovine tracheal

; OTHER INFORMATION: epithelium (Cunningham et al., 1995, J. Biol Chem., 270:31016-

; OTHER INFORMATION: 31026).

US-09-193-562D-46

Alignment Scores:

Pred. No.:	3,18e-23	Length:	903
Score:	236.00	Matches:	46
Percent Similarity:	74.70%	Conservative:	16
Best Local Similarity:	55.42%	Mismatches:	21
Query Match:	51.87%	Indels:	0
DB:	4	Gaps:	0

US-09-049-696-6 (1-252) x US-09-193-562D-46 (1-903)

QY 1 CAAGAATTGTGTTAGTCTTGCACAAATCTGGAAGTGGCGACTGGTAACCGCTC 60

Db 306 GlnArgValValCysLeuValLeuAspLysSerGlySerMetSerGluAspArgLeu 325

QY 61 AATCGACTGAATCAAGCAGCGCTTTCTCTGCTGCACAGATTGAGTGGGCTCTGG 120

Db 326 PheArgMetAsnGlnAlaGluLeuPheLeuIleGlnIleGluLysGlySerLeu 345

QY 121 GTTGGGATGGTGACATTTGACAGTGTCTGCCATGTACAAAGTGAATCTATACAGATAAAC 180

Db 346 ValGlyMetValThrPheAspSerValAlaGluIleArgAsnAsnLeuThrLysIleThr 365

QY 181 AGTGCAGTGACAGGACACACTCGCCAAAGATTACTGTCAGAGCTTCAGGAGGAGC 240

Db 366 AspAspAsnValTyrGluAsnIleThrAlaAsnLeuProGlnGluAlaAsnGlyGlyThr 385

QY 241 TCCATCTGC 249

Db 386 SerilleCys 388

RESULT 7

US-09-623-624-18

; Sequence 18, Application US/09623624

; Patent No. 6576434

; GENERAL INFORMATION:

; APPLICANT: Magainin Pharmaceuticals, Inc.

; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating

; FILE OF INVENTION: Acopic Allergies, Including Asthma and Related

; FILE OF INVENTION: Disorders

; FILE REFERENCE: 36870-5073-WO

; CURRENT APPLICATION NUMBER: US/09/623,624

; CURRENT FILING DATE: 2000-09-06

; PRIOR APPLICATION NUMBER: PCT/US99/04703

; PRIOR FILING DATE: 1999-03-03

; PRIOR APPLICATION NUMBER: US 08/697,360

; PRIOR FILING DATE: 1996-08-23

; PRIOR APPLICATION NUMBER: US 08/697,419

; PRIOR FILING DATE: 1996-08-23

; PRIOR APPLICATION NUMBER: US 08/697,440

; PRIOR FILING DATE: 1996-08-23

; PRIOR APPLICATION NUMBER: US 08/697,471

; PRIOR FILING DATE: 1996-08-23

; PRIOR APPLICATION NUMBER: US 08/697,471

; PRIOR FILING DATE: 1996-08-23

; PRIOR APPLICATION NUMBER: US 08/697,472

; PRIOR FILING DATE: 1996-08-23

; PRIOR APPLICATION NUMBER: US 08/697,473

; PRIOR FILING DATE: 1996-08-23

; PRIOR APPLICATION NUMBER: US 08/702,105

; PRIOR FILING DATE: 1996-08-23

; PRIOR APPLICATION NUMBER: US 08/702,110

; PRIOR FILING DATE: 1996-08-23

; PRIOR APPLICATION NUMBER: US 08/702,168

; PRIOR FILING DATE: 1996-08-23

; PRIOR APPLICATION NUMBER: US 08/980,872

; PRIOR FILING DATE: 1997-12-01

; NUMBER OF SEQ ID NOS: 18

; SOFTWARE: Patent in Ver. 2.0

; SEQ ID NO 18

; LENGTH: 903

; TYPE: PRT

; ORGANISM: Bos taurus

US-09-623-624-18

Alignment Scores:

Pred. No.:	3,18e-23	Length:	903
Score:	236.00	Matches:	46
Percent Similarity:	74.70%	Conservative:	16
Best Local Similarity:	55.42%	Mismatches:	21
Query Match:	51.87%	Indels:	0
DB:	4	Gaps:	0

US-09-049-696-6 (1-252) x US-09-623-624-18 (1-903)

QY 1 CAAGAATTGTGTTAGTCTTGCACAAATCTGGAAGTGGCGACTGGTAACCGCTC 60

Db 306 GlnArgValValCysLeuValLeuAspLysSerGlySerMetSerGluAspArgLeu 325

QY 61 AATCGACTGAATCAAGCAGCGCTTTCTCTGCTGCACAGATTGAGTGGGCTCTGG 120

Db 326 PheArgMetAsnGlnAlaGluLeuPheLeuIleGlnIleGluLysGlySerLeu 345

QY 121 GTTGGGATGGTGACATTTGACAGTGTCTGCCATGTACAAAGTGAATCTATACAGATAAAC 180

Db 346 ValGlyMetValThrPheAspSerValAlaGluIleArgAsnAsnLeuThrLysIleThr 365

QY 181 AGTGCAGTGACAGGACACACTCGCCAAAGATTACTGTCAGAGCTTCAGGAGGAGC 240

Db 366 AspAspAsnValTyrGluAsnIleThrAlaAsnLeuProGlnGluAlaAsnGlyGlyThr 385

QY 241 TCCATCTGC 249

Db 386 SerilleCys 388

RESULT 8

US-09-193-562D-11

; Sequence 11, Application US/09193562D

; Patent No. 6309857

; GENERAL INFORMATION:

; APPLICANT: Pauli, Benedicht U.

; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium

; FILE OF INVENTION: Activated Chloride Channel-Adhesion Molecules

; FILE REFERENCE: 18617.0052

; CURRENT APPLICATION NUMBER: US/09/193,562D

; CURRENT FILING DATE: 1998-11-17

; PRIOR APPLICATION NUMBER: US/60/065,922

; PRIOR FILING DATE: 1997-11-17

; NUMBER OF SEQ ID NOS: 47

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; SEQ ID NO 11
; LENGTH: 795
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Variant of Lu-ECAM-1 from bovine endothelial cells
US-09-193-562D-11

Alignment Scores:
Pred. No.: 7,78e-23 Length: 795
Score: 233.00 Matches: 45
Percent Similarity: 73.49% Conservative: 16
Best Local Similarity: 54.22% Mismatches: 22
Query Match: 51.21% Indels: 0
DB: 4 Gaps: 0

US-09-049-696-6 (1-252) x US-09-193-562D-11 (1-795)

QY 1 CAAGAATTGTGTTAGTCTTGACAAATCTGGAGCATGGCGACTGGTAACCGCCTC 60
Db |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
307 GlnArgValValCysLeuValLeuAspLysSerGlySerMetSerAlaGluAspArgLeu 326

QY 61 AATCGACTGAATCAAGCAGCGCCAGCTTTTCCTGCTGCAGACAGTTGAGTGGGTCTCG 120
Db |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
327 PheGlnMetAsnGlnAlaGluLeuTyrLeuIleGlnValIleGluLysGlySerLeu 346

QY 121 GTTGGGATGGTGCACATTTGACAGTGTCTGCTGCAGACAGTTGAGTGGGTCTCG 180
Db |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
347 ValGlyMetValThrPheAspSerValAlaGluIleGlnAsnHisLeuThrArgIleThr 366

QY 181 AGTGCAGTGCAGGACACACTCGCCAAAGATTACCTGCAGCAGCTTCAGAGGGAGC 240
Db |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
367 AspAspAsnValTyrGlnLysIleThrAlaLysLeuProGlnValAlaAsnGlyThr 386

QY 241 TCCATCTGC 249
Db |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
387 SerIleCys 389

US-09-049-696-6 (1-252) x US-09-193-562D-11 (1-795)

QY 1 CAAGAATTGTGTTAGTCTTGACAAATCTGGAGCATGGCGACTGGTAACCGCCTC 60
Db |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
307 GlnArgValValCysLeuValLeuAspLysSerGlySerMetSerAlaGluAspArgLeu 326

QY 61 AATCGACTGAATCAAGCAGCGCCAGCTTTTCCTGCTGCAGACAGTTGAGTGGGTCTCG 120
Db |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
327 PheGlnMetAsnGlnAlaGluLeuTyrLeuIleGlnValIleGluLysGlySerLeu 346

QY 121 GTTGGGATGGTGCACATTTGACAGTGTCTGCTGCAGACAGTTGAGTGGGTCTCG 180
Db |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
347 ValGlyMetValThrPheAspSerValAlaGluIleGlnAsnHisLeuThrArgIleThr 366

QY 181 AGTGCAGTGCAGGACACACTCGCCAAAGATTACCTGCAGCAGCTTCAGAGGGAGC 240
Db |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
367 AspAspAsnValTyrGlnLysIleThrAlaLysLeuProGlnValAlaAsnGlyThr 386

QY 241 TCCATCTGC 249
Db |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
387 SerIleCys 389

US-09-193-562D-12

; Sequence 12, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 12
; LENGTH: 821
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Variant of Lu-ECAM-1 from bovine endothelial cells
US-09-193-562D-12

Alignment Scores:
Pred. No.: 7,86e-23 Length: 821
Score: 233.00 Matches: 45
Percent Similarity: 73.49% Conservative: 16
Best Local Similarity: 54.22% Mismatches: 22
Query Match: 51.21% Indels: 0
DB: 4 Gaps: 0

US-09-049-696-6 (1-252) x US-09-193-562D-12 (1-821)

QY 1 CAAGAATTGTGTTAGTCTTGACAAATCTGGAGCATGGCGACTGGTAACCGCCTC 60
Db |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
307 GlnArgValValCysLeuValLeuAspLysSerGlySerMetSerAlaGluAspArgLeu 326
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QY 61 AATCGACTGAATCAAGCAGCGCCAGCTTTTCCTGCTGCAGACAGTTGAGTGGGTCTCG 120
Db |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
327 PheGlnMetAsnGlnAlaGluLeuTyrLeuIleGlnValIleGluLysGlySerLeu 346

QY 121 GTTGGGATGGTGCACATTTGACAGTGTCTGCTGCAGACAGTTGAGTGGGTCTCG 180
Db |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
347 ValGlyMetValThrPheAspSerValAlaGluIleGlnAsnHisLeuThrArgIleThr 366

QY 181 AGTGCAGTGCAGGACACACTCGCCAAAGATTACCTGCAGCAGCTTCAGAGGGAGC 240
Db |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
367 AspAspAsnValTyrGlnLysIleThrAlaLysLeuProGlnValAlaAsnGlyThr 386

QY 241 TCCATCTGC 249
Db |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
387 SerIleCys 389

RESULT 10
US-09-193-562D-2
; Sequence 2, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 2
; LENGTH: 905
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Lu-ECAM-1 precursor from bovine endothelial cells
US-09-193-562D-2

Alignment Scores:
Pred. No.: 8,12e-23 Length: 905
Score: 233.00 Matches: 45
Percent Similarity: 73.49% Conservative: 16
Best Local Similarity: 54.22% Mismatches: 22
Query Match: 51.21% Indels: 0
DB: 4 Gaps: 0

US-09-049-696-6 (1-252) x US-09-193-562D-2 (1-905)

QY 1 CAAGAATTGTGTTAGTCTTGACAAATCTGGAGCATGGCGACTGGTAACCGCCTC 60
Db |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
307 GlnArgValValCysLeuValLeuAspLysSerGlySerMetSerAlaGluAspArgLeu 326

QY 61 AATCGACTGAATCAAGCAGCGCCAGCTTTTCCTGCTGCAGACAGTTGAGTGGGTCTCG 120
Db |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
327 PheGlnMetAsnGlnAlaGluLeuTyrLeuIleGlnValIleGluLysGlySerLeu 346

QY 121 GTTGGGATGGTGCACATTTGACAGTGTCTGCTGCAGACAGTTGAGTGGGTCTCG 180
Db |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
347 ValGlyMetValThrPheAspSerValAlaGluIleGlnAsnHisLeuThrArgIleThr 366

QY 181 AGTGCAGTGCAGGACACACTCGCCAAAGATTACCTGCAGCAGCTTCAGAGGGAGC 240
Db |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
367 AspAspAsnValTyrGlnLysIleThrAlaLysLeuProGlnValAlaAsnGlyThr 386

QY 241 TCCATCTGC 249
Db |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
387 SerIleCys 389

RESULT 11
US-09-193-562D-30
; Sequence 30, Application US/09193562D
; Patent No. 6309857
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1; PRIOR APPLICATION NUMBER: US 08/697,473

TYPE: PRT

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/ APPLICANT: McNeill, Patricia D.
/ TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
/ OF METASTASIZING EPITHELIAL CARCINOMAS OF LUNG CANCER
/ FILE REFERENCE: 210121.455C11
/ CURRENT APPLICATION NUMBER: US/09/643,597
/ CURRENT FILING DATE: 2000-08-21
/ NUMBER OF SEQ ID NOS: 369
/ SOFTWARE: FastSEQ for Windows Version 3.0
/ SEQ ID NO 169
/ LENGTH: 592
/ TYPE: PRT

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; ORGANISM: Homo sapien
US-09-643-597-169

Alignment Scores:
Pred. No.: 1-69e-16 Length: 592
Score: 186.00 Matches: 39
Percent Similarity: 64.71% Conservative: 16
Best Local Similarity: 45.88% Mismatches: 28
Query Match: 40.88% Indels: 2
DB: 4 Gaps: 1

US-09-049-696-6 (1-252) x US-09-643-597-169 (1-592)

QY 4 AGAATTGTGTTAGTCTTGCACAAATCTGGAAGCATGCGGACTGCTAAACCGCCTCAAT 63
   ::::|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 310 LysValValCysLeuValLeuValSerSerLysMetAlaGluAlaAspArgLeuLeu 329
QY 64 CGACTGAATCAGCAGCGCCAGCTTTCTCTGTCGACACAGTTGAGCTGGGTCCTGGGTT 123
   ::::|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 330 GinLeuGlnGlnAlaAlaGluPheTyrLeuMetGlnIleValGluIleHisThrPheVal 349
QY 124 GGCATGCTGACATTTGCACAGTGTGCCCATGTACAAAGTGAACATCATACAGATAAAGT 183
   ::::|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 350 GlyIleAlaSerPheAspSerLysGlyGluIleArgAlaGlnLeuHisGlnIleAsnSer 369
QY 184 GGCAGTGACAGGACACACTCGCCAAAGATTACCTGCAGCAGCTTCAGGAGGGAGCG--- 240
   ::::|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 370 AsnAspArgLysLeuValSerTyrLeuProThrThrValSerAlaLysThrAsp 389
QY 241 ---TCCATCTGCAGC 252
   :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 390 IleSerIleCysSer 394

RESULT 14
US-09-480-884A-169
; Sequence 169, Application US/09480884A
; Patent No. 6482597
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Hosken, Nancy A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY
; FILE REFERENCE: 210121.455C6
; CURRENT APPLICATION NUMBER: US/09/480,884A
; CURRENT FILING DATE: 2001-08-27
; NUMBER OF SEQ ID NOS: 330
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 169
; LENGTH: 592
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-480-884A-169

Alignment Scores:
Pred. No.: 1-69e-16 Length: 592
Score: 186.00 Matches: 39
Percent Similarity: 64.71% Conservative: 16
Best Local Similarity: 45.88% Mismatches: 28
Query Match: 40.88% Indels: 2
DB: 4 Gaps: 1

US-09-049-696-6 (1-252) x US-09-480-884A-169 (1-592)

QY 4 AGAATTGTGTTAGTCTTGCACAAATCTGGAAGCATGCGGACTGCTAAACCGCCTCAAT 63
   ::::|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 310 LysValValCysLeuValLeuValSerSerLysMetAlaGluAlaAspArgLeuLeu 329
QY 64 CGACTGAATCAGCAGCGCCAGCTTTCTCTGTCGACACAGTTGAGCTGGGTCCTGGGTT 123
   ::::|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 330 GinLeuGlnGlnAlaAlaGluPheTyrLeuMetGlnIleValGluIleHisThrPheVal 349

RESULT 15
US-09-542-615A-169
; Sequence 169, Application US/09542615A
; Patent No. 6518256
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy A.
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY
; FILE REFERENCE: 210121.455C8
; CURRENT APPLICATION NUMBER: US/09/542,615A
; CURRENT FILING DATE: 2000-04-14
; NUMBER OF SEQ ID NOS: 350
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 169
; LENGTH: 592
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-542-615A-169

Alignment Scores:
Pred. No.: 1-69e-16 Length: 592
Score: 186.00 Matches: 39
Percent Similarity: 64.71% Conservative: 16
Best Local Similarity: 45.88% Mismatches: 28
Query Match: 40.88% Indels: 2
DB: 4 Gaps: 1

US-09-049-696-6 (1-252) x US-09-542-615A-169 (1-592)

QY 4 AGAATTGTGTTAGTCTTGCACAAATCTGGAAGCATGCGGACTGCTAAACCGCCTCAAT 63
   ::::|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 310 LysValValCysLeuValLeuValSerSerLysMetAlaGluAlaAspArgLeuLeu 329
QY 64 CGACTGAATCAGCAGCGCCAGCTTTCTCTGTCGACACAGTTGAGCTGGGTCCTGGGTT 123
   ::::|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 330 GinLeuGlnGlnAlaAlaGluPheTyrLeuMetGlnIleValGluIleHisThrPheVal 349
QY 124 GGCATGCTGACATTTGCACAGTGTGCCCATGTACAAAGTGAACATCATACAGATAAAGT 183
   ::::|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 350 GlyIleAlaSerPheAspSerLysGlyGluIleArgAlaGlnLeuHisGlnIleAsnSer 369
QY 184 GGCAGTGACAGGACACACTCGCCAAAGATTACCTGCAGCAGCTTCAGGAGGGAGCG--- 240
   ::::|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 370 AsnAspArgLysLeuValSerTyrLeuProThrThrValSerAlaLysThrAsp 389
QY 241 ---TCCATCTGCAGC 252
   :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 390 IleSerIleCysSer 394

Search completed: April 21, 2004, 16:22:02
Job time : 16.8594 secs
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QY 124 GGCATGCTGACATTTGCACAGTGTGCCCATGTACAAAGTGAACATCATACAGATAAAGT 183
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Db 350 GlyIleAlaSerPheAspSerLysGlyGluIleArgAlaGlnLeuHisGlnIleAsnSer 369
QY 184 GGCAGTGACAGGACACACTCGCCAAAGATTACCTGCAGCAGCTTCAGGAGGGAGCG--- 240
   :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 370 AsnAspArgLysLeuValSerTyrLeuProThrThrValSerAlaLysThrAsp 389
QY 241 ---TCCATCTGCAGC 252
   :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 390 IleSerIleCysSer 394
```

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RESULT 15
US-09-542-615A-169
; Sequence 169, Application US/09542615A
; Patent No. 6518256
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy A.
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY
; FILE REFERENCE: 210121.455C8
; CURRENT APPLICATION NUMBER: US/09/542,615A
; CURRENT FILING DATE: 2000-04-14
; NUMBER OF SEQ ID NOS: 350
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 169
; LENGTH: 592
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-542-615A-169
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Alignment Scores:
Pred. No.: 1-69e-16 Length: 592
Score: 186.00 Matches: 39
Percent Similarity: 64.71% Conservative: 16
Best Local Similarity: 45.88% Mismatches: 28
Query Match: 40.88% Indels: 2
DB: 4 Gaps: 1

US-09-049-696-6 (1-252) x US-09-542-615A-169 (1-592)
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QY 4 AGAATTGTGTTAGTCTTGCACAAATCTGGAAGCATGCGGACTGCTAAACCGCCTCAAT 63
   ::::|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 310 LysValValCysLeuValLeuValSerSerLysMetAlaGluAlaAspArgLeuLeu 329
QY 64 CGACTGAATCAGCAGCGCCAGCTTTCTCTGTCGACACAGTTGAGCTGGGTCCTGGGTT 123
   ::::|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 330 GinLeuGlnGlnAlaAlaGluPheTyrLeuMetGlnIleValGluIleHisThrPheVal 349
QY 124 GGCATGCTGACATTTGCACAGTGTGCCCATGTACAAAGTGAACATCATACAGATAAAGT 183
   :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 350 GlyIleAlaSerPheAspSerLysGlyGluIleArgAlaGlnLeuHisGlnIleAsnSer 369
QY 184 GGCAGTGACAGGACACACTCGCCAAAGATTACCTGCAGCAGCTTCAGGAGGGAGCG--- 240
   :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 370 AsnAspArgLysLeuValSerTyrLeuProThrThrValSerAlaLysThrAsp 389
QY 241 ---TCCATCTGCAGC 252
   :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 390 IleSerIleCysSer 394
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Job time : 16.8594 secs

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OM nucleic - nucleic search, using sw model

Run on: April 24, 2004, 04:05:52 ; Search time 117.735 Seconds
(without alignments)
8424.829 Million cell updates/sec

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Perfect score: 220
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- 5: /cgn2_6/prodata/2/pubpna/US06_PUBCOMB.seq:*
- 6: /cgn2_6/prodata/2/pubpna/US07_NEW_PUB.seq:*
- 7: /cgn2_6/prodata/2/pubpna/US07_PUBCOMB.seq:*
- 8: /cgn2_6/prodata/2/pubpna/US08_NEW_PUB.seq:*
- 9: /cgn2_6/prodata/2/pubpna/US08_PUBCOMB.seq:*
- 10: /cgn2_6/prodata/2/pubpna/US09_PUBCOMB.seq:*
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- 12: /cgn2_6/prodata/2/pubpna/US09_NEW_PUB.seq:*
- 13: /cgn2_6/prodata/2/pubpna/US10A_PUBCOMB.seq:*
- 14: /cgn2_6/prodata/2/pubpna/US10A_PUBCOMB.seq:*
- 15: /cgn2_6/prodata/2/pubpna/US10B_PUBCOMB.seq:*
- 16: /cgn2_6/prodata/2/pubpna/US10C_PUBCOMB.seq:*
- 17: /cgn2_6/prodata/2/pubpna/US10_NEW_PUB.seq:*
- 18: /cgn2_6/prodata/2/pubpna/US10_NEW_PUB.seq:*
- 19: /cgn2_6/prodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	220	100.0	2745	15	US-10-270-595-5 Sequence 5, Appl
2	220	100.0	2854	15	US-10-106-698-1971 Sequence 1971, Ap
3	220	100.0	2867	15	US-10-106-698-351 Sequence 351, App
4	220	100.0	3007	15	US-10-055-412B-27 Sequence 27, Appl
5	220	100.0	3109	15	US-10-106-698-2111 Sequence 2111, Ap
6	220	100.0	3111	9	US-09-823-356-25 Sequence 25, Appl
7	220	100.0	3111	9	US-09-981-353-191 Sequence 191, App
8	220	100.0	3111	15	US-10-235-994-25 Sequence 25, Appl
9	220	100.0	3267	9	US-09-764-868-22 Sequence 22, Appl
10	220	100.0	3311	9	US-09-922-217-1056 Sequence 1056, Ap
11	220	100.0	3311	9	US-09-833-263-1056 Sequence 1056, Ap
12	220	100.0	3311	14	US-10-025-380-1056 Sequence 1056, Ap
13	220	100.0	3311	15	US-10-393-590-11 Sequence 11, Appl
14	220	100.0	3311	15	US-10-393-590-12 Sequence 12, Appl

15	220	100.0	3311	15	US-10-393-590-46	Sequence 46, Appl
16	220	100.0	3311	15	US-10-393-590-47	Sequence 47, Appl
17	220	100.0	3311	15	US-10-393-567-11	Sequence 11, Appl
18	220	100.0	3311	15	US-10-393-567-12	Sequence 12, Appl
19	220	100.0	3311	15	US-10-393-567-46	Sequence 46, Appl
20	220	100.0	3311	15	US-10-393-567-47	Sequence 47, Appl
21	220	100.0	3311	15	US-10-394-087-11	Sequence 11, Appl
22	220	100.0	3311	15	US-10-394-087-12	Sequence 12, Appl
23	220	100.0	3311	15	US-10-394-087-46	Sequence 46, Appl
24	220	100.0	3311	15	US-10-394-087-47	Sequence 47, Appl
25	220	100.0	4569	10	US-09-867-034-3	Sequence 3, Appl
26	220	100.0	4569	13	US-10-276-115-3	Sequence 3, Appl
27	162	73.6	2331	15	US-10-270-595-1	Sequence 1, Appl
28	140	63.6	278	11	US-09-864-408A-8553	Sequence 8553, Ap
29	138.4	62.9	279	11	US-09-864-408A-6149	Sequence 6149, Ap
30	132.6	60.3	2754	15	US-10-345-680-33	Sequence 33, Appl
31	132.6	60.3	3043	14	US-10-025-167-16	Sequence 16, Appl
32	132.6	60.3	3169	9	US-09-981-353-53	Sequence 53, Appl
33	132.6	60.3	3169	15	US-10-235-994-15	Sequence 15, Appl
34	132.6	60.3	3181	14	US-10-025-167-18	Sequence 18, Appl
35	132.6	60.3	3195	10	US-09-867-034-22	Sequence 22, Appl
36	132.6	60.3	3195	13	US-10-276-115-22	Sequence 22, Appl
37	132.6	60.3	3196	15	US-10-158-646-39	Sequence 39, Appl
38	132.6	60.3	3199	13	US-10-276-774-993	Sequence 993, App
39	132.6	60.3	3204	15	US-10-345-680-31	Sequence 31, Appl
40	132.6	60.3	3207	15	US-10-101-510-660	Sequence 660, App
41	132.6	60.3	3218	16	US-10-087-080-33	Sequence 33, Appl
42	132.6	60.3	3265	9	US-09-989-723-378	Sequence 378, App
43	132.6	60.3	3265	9	US-09-989-723-378	Sequence 378, App
44	132.6	60.3	3265	9	US-09-989-723-378	Sequence 378, App
45	132.6	60.3	3265	9	US-09-989-723-378	Sequence 378, App

ALIGNMENTS

RESULT 1
US-10-270-595-5
; Sequence 5, Application US/10270595
; Publication No. US20030078409A1
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/10/270,595
; CURRENT FILING DATE: 2002-10-16
; PRIOR APPLICATION NUMBER: US/09/623,624
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,472
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; PRIOR FILING DATE: 1996-08-23
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 2745

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; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(2742)
US-10-270-595-5

Query Match      100.0%; Score 220; DB 15; Length 2745;
Best Local Similarity 100.0%; Pred. No. 5.6e-60;
Matches 220; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTATAGTTGAATTCGTACAGAACAAACCAACAAAGAAAGCTCCAAACAGCAAAATC 60
DB 734 CTATAGTTGAATTCGTACAGAACAAACCAACAAAGAAAGCTCCAAACAGCAAAATC 793
QY 61 AAAATGCAATCTCGAAGCACATGGAAGTGAATCGTGATTCGAGGACTTTAAGAAA 120
DB 794 AAAATGCAATCTCGAAGCACATGGAAGTGAATCGTGATTCGAGGACTTTAAGAAA 853
QY 121 CCACCTCTATGACACACAGCCACCAAAATCCACCTTCTCATTTGTCGAGATTGGACAAA 180
DB 854 CCACCTCTATGACACACAGCCACCAAAATCCACCTTCTCATTTGTCGAGATTGGACAAA 913
QY 181 GAATTGTGTTAGTCCCTTGACAAATCTGGAAGCATGGC 220
DB 914 GAATTGTGTTAGTCCCTTGACAAATCTGGAAGCATGGC 953

RESULT 2
US-10-106-698-1971
; Sequence 1971, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide
; FILE REFERENCE: PA005P1
; CURRENT APPLICATION NUMBER: US/10/106,698
; PRIOR FILING DATE: 2002-03-27
; PRIOR FILING DATE: 2000-09-28
; PRIOR FILING DATE: 1999-09-29
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 1971
; LENGTH: 2854
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-106-698-1971

Query Match      100.0%; Score 220; DB 15; Length 2854;
Best Local Similarity 100.0%; Pred. No. 5.7e-60;
Matches 220; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTATAGTTGAATTCGTACAGAACAAACCAACAAAGAAAGCTCCAAACAGCAAAATC 60
DB 768 CTATAGTTGAATTCGTACAGAACAAACCAACAAAGAAAGCTCCAAACAGCAAAATC 827
QY 61 AAAATGCAATCTCGAAGCACATGGAAGTGAATCGTGATTCGAGGACTTTAAGAAA 120
DB 828 AAAATGCAATCTCGAAGCACATGGAAGTGAATCGTGATTCGAGGACTTTAAGAAA 887
QY 121 CCACCTCTATGACACACAGCCACCAAAATCCACCTTCTCATTTGTCGAGATTGGACAAA 180
DB 888 CCACCTCTATGACACACAGCCACCAAAATCCACCTTCTCATTTGTCGAGATTGGACAAA 947
QY 181 GAATTGTGTTAGTCCCTTGACAAATCTGGAAGCATGGC 220
DB 948 GAATTGTGTTAGTCCCTTGACAAATCTGGAAGCATGGC 987
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RESULT 3
US-10-106-698-351
; Sequence 351, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptides
; FILE REFERENCE: PA005P1
; CURRENT APPLICATION NUMBER: US/10/106,698
; PRIOR FILING DATE: 2002-03-27
; PRIOR FILING DATE: 2000-09-28
; PRIOR FILING DATE: 1999-09-29
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 351
; LENGTH: 2867
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-106-698-351

Query Match      100.0%; Score 220; DB 15; Length 2867;
Best Local Similarity 100.0%; Pred. No. 5.7e-60;
Matches 220; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTATAGTTGAATTCGTACAGAACAAACCAACAAAGAAAGCTCCAAACAGCAAAATC 60
DB 771 CTATAGTTGAATTCGTACAGAACAAACCAACAAAGAAAGCTCCAAACAGCAAAATC 830
QY 61 AAAATGCAATCTCGAAGCACATGGAAGTGAATCGTGATTCGAGGACTTTAAGAAA 120
DB 831 AAAATGCAATCTCGAAGCACATGGAAGTGAATCGTGATTCGAGGACTTTAAGAAA 890
QY 121 CCACCTCTATGACACACAGCCACCAAAATCCACCTTCTCATTTGTCGAGATTGGACAAA 180
DB 891 CCACCTCTATGACACACAGCCACCAAAATCCACCTTCTCATTTGTCGAGATTGGACAAA 950
QY 181 GAATTGTGTTAGTCCCTTGACAAATCTGGAAGCATGGC 220
DB 951 GAATTGTGTTAGTCCCTTGACAAATCTGGAAGCATGGC 990

RESULT 4
US-10-055-412B-27
; Sequence 27, Application US/10055412B
; Publication No. US20030059861A1
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; FILE REFERENCE: 18617.0058
; CURRENT APPLICATION NUMBER: US/10/055,412B
; PRIOR FILING DATE: 2001-10-29
; PRIOR FILING DATE: 1998-11-17
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 27
; LENGTH: 3007
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-055-412B-27

Query Match      100.0%; Score 220; DB 15; Length 3007;
Best Local Similarity 100.0%; Pred. No. 5.8e-60;
Matches 220; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTATAGTTGAATTCGTACAGAACAAACCAACAAAGAAAGCTCCAAACAGCAAAATC 60
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Db 780 CTATAGTTGAATTCGTACAGAACAAACCAACAAAGAGCTCCAAACAAAGCAAAATC 839
Qy 61 AAAAAATGCAATCTCGAAGCACATGGAAGTATCGTGATTCGAGGACTTTAAGAAAA 120
Db 840 AAAAAATGCAATCTCGAAGCACATGGAAGTATCGTGATTCGAGGACTTTAAGAAAA 899
Qy 121 CCACCTCTATGACACACAGCACCAACCAATCCACCTTCTCATTGCTGCAGATTGGACAAA 180
Db 900 CCACCTCTATGACACACAGCACCAACCAATCCACCTTCTCATTGCTGCAGATTGGACAAA 959
Qy 181 GAATTGTGTTAGTCCCTTGACAAATCTGGAAGCATGGC 220
Db 960 GAATTGTGTTAGTCCCTTGACAAATCTGGAAGCATGGC 999

RESULT 5
US-10-106-698-2111
; Sequence 2111, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide
; FILE REFERENCE: PA005P1
; CURRENT APPLICATION NUMBER: US/10/106,698
; PRIOR FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 2111
; LENGTH: 3109
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-106-698-2111

Query Match 100.0%; Score 220; DB 15; Length 3109;
Best Local Similarity 100.0%; Pred. No. 5.9e-60; Mismatches 0; Indels 0; Gaps 0;
Matches 220; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 CTATAGTTGAATTCGTACAGAACAAACCAACAAAGAGCTCCAAACAAAGCAAAATC 60
Db 621 CTATAGTTGAATTCGTACAGAACAAACCAACAAAGAGCTCCAAACAAAGCAAAATC 680
Qy 61 AAAAAATGCAATCTCGAAGCACATGGAAGTATCGTGATTCGAGGACTTTAAGAAAA 120
Db 681 AAAAAATGCAATCTCGAAGCACATGGAAGTATCGTGATTCGAGGACTTTAAGAAAA 740
Qy 121 CCACCTCTATGACACACAGCACCAACCAATCCACCTTCTCATTGCTGCAGATTGGACAAA 180
Db 741 CCACCTCTATGACACACAGCACCAACCAATCCACCTTCTCATTGCTGCAGATTGGACAAA 800
Qy 181 GAATTGTGTTAGTCCCTTGACAAATCTGGAAGCATGGC 220
Db 801 GAATTGTGTTAGTCCCTTGACAAATCTGGAAGCATGGC 840

RESULT 6
US-09-823-356-25
; Sequence 25, Application US/09823356
; Patent No. US20010025098A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Bandman, Olga
; APPLICANT: Lal, Preeti
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Yue, Henry
; APPLICANT: Corley, Neil C.
; APPLICANT: Guegler, Karl J.
; APPLICANT: Kaser, Matthew R.

; APPLICANT: Baughn, Mariah R.
; APPLICANT: Shah, Purvi
; TITLE OF INVENTION: HUMAN MEMBRANE SPANNING PROTEINS
; FILE REFERENCE: PF-0489-1 CON
; CURRENT APPLICATION NUMBER: US/09/823,356
; CURRENT FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/039,307
; PRIOR FILING DATE: 1998 March 13
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PERL Program
; SEQ ID NO 25
; LENGTH: 3111
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20010025098A1 1737775
US-09-823-356-25

Query Match 100.0%; Score 220; DB 9; Length 3111;
Best Local Similarity 100.0%; Pred. No. 5.9e-60; Mismatches 0; Indels 0; Gaps 0;
Matches 220; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 CTATAGTTGAATTCGTACAGAACAAACCAACAAAGAGCTCCAAACAAAGCAAAATC 60
Db 767 CTATAGTTGAATTCGTACAGAACAAACCAACAAAGAGCTCCAAACAAAGCAAAATC 826
Qy 61 AAAAAATGCAATCTCGAAGCACATGGAAGTATCGTGATTCGAGGACTTTAAGAAAA 120
Db 827 AAAAAATGCAATCTCGAAGCACATGGAAGTATCGTGATTCGAGGACTTTAAGAAAA 886
Qy 121 CCACCTCTATGACACACAGCACCAACCAATCCACCTTCTCATTGCTGCAGATTGGACAAA 180
Db 887 CCACCTCTATGACACACAGCACCAACCAATCCACCTTCTCATTGCTGCAGATTGGACAAA 946
Qy 181 GAATTGTGTTAGTCCCTTGACAAATCTGGAAGCATGGC 220
Db 947 GAATTGTGTTAGTCCCTTGACAAATCTGGAAGCATGGC 986

RESULT 7
US-09-981-353-191
; Sequence 191, Application US/09981353
; Patent No. US20020160382A1
; GENERAL INFORMATION:
; APPLICANT: Lasek, Amy W.
; APPLICANT: Jones, David A.
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0038 US
; CURRENT APPLICATION NUMBER: US/09/981,353
; CURRENT FILING DATE: 2001-10-11
; NUMBER OF SEQ ID NOS: 194
; SOFTWARE: PERL Program
; SEQ ID NO 191
; LENGTH: 3111
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20020160382A1 1737775CBI
US-09-981-353-191

Query Match 100.0%; Score 220; DB 9; Length 3111;
Best Local Similarity 100.0%; Pred. No. 5.9e-60; Mismatches 0; Indels 0; Gaps 0;
Matches 220; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 CTATAGTTGAATTCGTACAGAACAAACCAACAAAGAGCTCCAAACAAAGCAAAATC 60
Db 767 CTATAGTTGAATTCGTACAGAACAAACCAACAAAGAGCTCCAAACAAAGCAAAATC 826
Qy 61 AAAAAATGCAATCTCGAAGCACATGGAAGTATCGTGATTCGAGGACTTTAAGAAAA 120
Db 827 AAAAAATGCAATCTCGAAGCACATGGAAGTATCGTGATTCGAGGACTTTAAGAAAA 886

Qy	121	CGACCTCTATGACACACAGCCAAATCCACCTTCTCATTTGCTGCAGATTGGACAA	180
Db	887	CGACCTCTATGACACACAGCCAAATCCACCTTCTCATTTGCTGCAGATTGGACAA	946
Qy	181	GAATTGTGTGTTTGTCTTGCACAAATCTGGAAGCATGGC	220
Db	947	GAATTGTGTGTTTGTCTTGCACAAATCTGGAAGCATGGC	986

RESULT 8

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RESULT: 8
US-10-235-994-25
; Sequence 25, Application US/10235994
; Publication NO. US20030101002A1
; GENERAL INFORMATION:
; APPLICANT: Bartha, Gabor
; APPLICANT: Walker, Michael
; TITLE OF INVENTION: METHODS FOR ANALYZING GENE EXPRESSION PATTERNS
; FILE REFERENCE: ICYPO12
; CURRENT APPLICATION NUMBER: US/10/235,994
; CURRENT FILING DATE: 2002-09-04
; PRIOR APPLICATION NUMBER: US/10/003,608
; PRIOR FILING DATE: 2001-11-01
; PRIOR APPLICATION NUMBER: 60/245,081
; PRIOR FILING DATE: 2000-11-01
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 25
; LENGTH: 3111
; TYPE: DNA
; ORGANISM: Human
US-10-235-994-25

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Query Match	100.0%;	Score 220;	DB 15;	Length 3111;
Best Local Similarity	100.0%;	Pred. No. 5.9e-60;		
Matches 220;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	1	CTATAGTTGAATTCCTGTACAGACAAACACACAAACAAAGAGCTCCAAACAAAGCAAAATC	60	
Db	767	CTATAGTTGAATTCCTGTACAGACAAACACACAAACAAAGAGCTCCAAACAAAGCAAAATC	826	
Qy	61	AAAAATGCAATCTCCGAAGCACATGGGAAGTGATCCCGTGATTTCTGAGGACTTTTAAGAAAA	120	
Db	827	AAAAATGCAATCTCCGAAGCACATGGGAAGTGATCCCGTGATTTCTGAGGACTTTTAAGAAAA	886	
Qy	121	CCACTCCTATGACAAACACAGCCACCAATCCCACCTTCTCATTTGCTCGAGATTGGACAAA	180	
Db	887	CCACTCCTATGACAAACACAGCCACCAATCCCACCTTCTCATTTGCTCGAGATTGGACAAA	946	
Qy	181	GAATTTGGTGTTTAGTCTCTTGACAAATCTGGGAAGCATGGC	220	
Db	947	GAATTTGGTGTTTAGTCTCTTGACAAATCTGGGAAGCATGGC	986	

RESULT 9

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; RESULT: 9
; US-09-764-868-22
; Sequence 22, Application US/09764868
; Patent No. US20020168711A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PTZ32
; CURRENT APPLICATION NUMBER: US/09/764,868
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 1510
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 22
; LENGTH: 3267
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-764-868-22.

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	Query Match	100.0.0%;	Score 220;	DB 9;	Length 3267;
	Best Local Similarity	100.0.0%;	Pred. No. 6.1e-60;		
	Matches 220;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	1	CTATAGTTGAATTC	GTGTACAGAAACAAAC	CACAAAGAAAGCTCCAAACAAAGCAAAATC	60
Db	768	CTATAGTTGAATTC	GTGTACAGACAAAC	CCACAAAGAAGCTCCAAACAGCAAAATC	827
Qy	61	AAAAATGCAATCTCC	AAGCACATGGGAAGTGATTC	CGTGATTCGTAGGACCTTTAAGAAAA	120
Db	828	AAAAATGCAATCTCC	AAGCACATGGGAAGTGATTC	CGTGATTCGTAGGACCTTTAAGAAAA	887
Qy	121	CCACTCCTATGACAA	CACAGCCACCAAAATCC	CACTTCTCATTTGCTGCAGATTGGACAAA	180
Db	888	CCACTCCTATGACAA	CACAGCCACCAAAATCC	CACTTCTCATTTGCTGCAGATTGGACAAA	947
Qy	181	GAATTGTGTTT	TAGTCCTTGACAAATCT	CGAAGCATGGC	220
Db	948	GAATTGTGTTT	TAGTCCTTGACAAATCT	CGAAGCATGGC	987

RESULT 10

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RESULI 10
US-09-922-217-1056
; Sequence 1056, Application US/09922217
; Patent No. US20020076414A1.
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather
; APPLICANT: Benson, Darin R.
; APPLICANT: Meagher, Madeleine Joy
; APPLICANT: Stolk, John A.
; APPLICANT: Wang, Tongtong
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Smith, Carole Lynn
; APPLICANT: King, Gordon E.
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; TITLE OF INVENTION: OF COLON CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121-471C13
; CURRENT APPLICATION NUMBER: US/09/922,217
; CURRENT FILING DATE: 2001-08-03
; NUMBER OF SEQ ID NOS: 1124
; SOFTWARE: Fast-Seq for Windows Version 4.0
; SEQ ID NO 1056
; LENGTH: 3311
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-922-217-1056

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	Query Match	100.0.0%;	Score 220;	DB 9;	Length 3311;
	Best Local Similarity	100.0.0%;	Prod. No. 6.1e-60;		
	Matches 220;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	1	CTATAGTTGAATTCCTGTACAGAACAAACACACAAACAAAGAAAGCTCCAAACAAAGCAAAATC	60		
Db	1085	CTATAGTTGAATTCCTGTACAGAACAAACACACAAAGAAAGCTCCAAACAAAGCAAAATC	1144		
Qy	61	AAAAATGCAATCTCCGAAGCACATGGGAAGTGATCCGTGATTCCTGAGGACTTTAAGAAAA	120		
Db	1145	AAAAATGCAATCTCCGAAGCACATGGGAAGTGATCCGTGATTCCTGAGGACTTTAAGAAAA	1204		
Qy	121	CCACTCCTATGACAAACACAGCCACCAATCCCACTTCTCATTCCTGCTCCAGATTGGACAA	180		
Db	1205	CCACTCCTATGACAAACACAGCCACCAATCCCACTTCTCATTCCTGCTCCAGATTGGACAA	1264		
Qy	181	GAATTGTGTTTAGTCCTTGACAAATCTCGAAGCATGGC	220		
Db	1265	GAATTGTGTTTAGTCCTTGACAAATCTCGAAGCATGGC	1304		

RESULT 11

```
US-09-833-263-1056
; Sequence 1056, Application US/09833263
; Patent No. US20020110547A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; APPLICANT: Stolk, John A.
; APPLICANT: Meagher, Madeleine J.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND
; FILE REFERENCE: 210121.471C12
; CURRENT APPLICATION NUMBER: US/09/833,263
; CURRENT FILING DATE: 2001-04-10
; NUMBER OF SEQ ID NOS: 1093
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1056
; LENGTH: 3311
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-833-263-1056

Query Match      100.0%; Score 220; DB 9; Length 3311;
Best Local Similarity 100.0%; Pred. No. 6.1e-60;
Matches 220; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTATAGTTGAATTCCTGACAGAACAAACCAACAAAGAGCTCCAAACAGCAAAATC 60
DB 1085 CTATAGTTGAATTCCTGACAGAACAAACCAACAAAGAGCTCCAAACAGCAAAATC 1144

QY 61 AAAAAATGCAATCTCCGAAGCACATGGGAAGTGCATCGTATCTGAGGACTTTAAGAAA 120
DB 1145 AAAAAATGCAATCTCCGAAGCACATGGGAAGTGCATCGTATCTGAGGACTTTAAGAAA 1204

QY 121 CCACTCCTATGACACACAGCCACCAAAATCCCACTTCTCATTTGCTGCAGATTGGACAA 180
DB 1205 CCACTCCTATGACACACAGCCACCAAAATCCCACTTCTCATTTGCTGCAGATTGGACAA 1264

QY 181 GAATTGTGTTTGTAGTCCTTGACAAATCTGGAAGCATGGC 220
DB 1265 GAATTGTGTTTGTAGTCCTTGACAAATCTGGAAGCATGGC 1304

RESULT 12
US-10-025-380-1056
; Sequence 1056, Application US/10025380
; Publication No. US20020182191A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather
; APPLICANT: Benson, Daxin R.
; APPLICANT: Meagher, Madeleine Joy
; APPLICANT: Stolk, John A.
; APPLICANT: Wang, Tongtong
; APPLICANT: Jiang, Yugu
; APPLICANT: Smith, Carole L.
; APPLICANT: King, Gordon E.
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; APPLICANT: Skeiky, Yasir A. W.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Vedvick Thomas S.
; APPLICANT: Carter, Darrick
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; FILE REFERENCE: 210121.471C14
; CURRENT APPLICATION NUMBER: US/10/025,380
; CURRENT FILING DATE: 2001-12-19
; NUMBER OF SEQ ID NOS: 1129
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1056
; LENGTH: 3311
; TYPE: DNA
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; ORGANISM: Homo sapiens
US-10-025-380-1056

Query Match      100.0%; Score 220; DB 14; Length 3311;
Best Local Similarity 100.0%; Pred. No. 6.1e-60;
Matches 220; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTATAGTTGAATTCCTGACAGAACAAACCAACAAAGAGCTCCAAACAGCAAAATC 60
DB 1085 CTATAGTTGAATTCCTGACAGAACAAACCAACAAAGAGCTCCAAACAGCAAAATC 1144

QY 61 AAAAAATGCAATCTCCGAAGCACATGGGAAGTGCATCGTATCTGAGGACTTTAAGAAA 120
DB 1145 AAAAAATGCAATCTCCGAAGCACATGGGAAGTGCATCGTATCTGAGGACTTTAAGAAA 1204

QY 121 CCACTCCTATGACACACAGCCACCAAAATCCCACTTCTCATTTGCTGCAGATTGGACAA 180
DB 1205 CCACTCCTATGACACACAGCCACCAAAATCCCACTTCTCATTTGCTGCAGATTGGACAA 1264

QY 181 GAATTGTGTTTGTAGTCCTTGACAAATCTGGAAGCATGGC 220
DB 1265 GAATTGTGTTTGTAGTCCTTGACAAATCTGGAAGCATGGC 1304

RESULT 13
US-10-393-590-11
; Sequence 11, Application US/10393590
; Publication No. US20030190656A1
; GENERAL INFORMATION:
; APPLICANT: WANG, YIXIN
; TITLE OF INVENTION: BREAST CANCER PROGNASTIC PORTFOLIO
; FILE REFERENCE: CDS 268 US NP
; CURRENT APPLICATION NUMBER: US/10/393,590
; CURRENT FILING DATE: 2003-03-21
; PRIOR APPLICATION NUMBER: 60/368,789
; PRIOR FILING DATE: 2002-03-29
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 11
; LENGTH: 3311
; TYPE: DNA
; ORGANISM: human
US-10-393-590-11

Query Match      100.0%; Score 220; DB 15; Length 3311;
Best Local Similarity 100.0%; Pred. No. 6.1e-60;
Matches 220; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTATAGTTGAATTCCTGACAGAACAAACCAACAAAGAGCTCCAAACAGCAAAATC 60
DB 1085 CTATAGTTGAATTCCTGACAGAACAAACCAACAAAGAGCTCCAAACAGCAAAATC 1144

QY 61 AAAAAATGCAATCTCCGAAGCACATGGGAAGTGCATCGTATCTGAGGACTTTAAGAAA 120
DB 1145 AAAAAATGCAATCTCCGAAGCACATGGGAAGTGCATCGTATCTGAGGACTTTAAGAAA 1204

QY 121 CCACTCCTATGACACACAGCCACCAAAATCCCACTTCTCATTTGCTGCAGATTGGACAA 180
DB 1205 CCACTCCTATGACACACAGCCACCAAAATCCCACTTCTCATTTGCTGCAGATTGGACAA 1264

QY 181 GAATTGTGTTTGTAGTCCTTGACAAATCTGGAAGCATGGC 220
DB 1265 GAATTGTGTTTGTAGTCCTTGACAAATCTGGAAGCATGGC 1304

RESULT 14
US-10-393-590-12
; Sequence 12, Application US/10393590
; Publication No. US20030190656A1
; GENERAL INFORMATION:
; APPLICANT: WANG, YIXIN
; TITLE OF INVENTION: BREAST CANCER PROGNASTIC PORTFOLIO
; FILE REFERENCE: CDS 268 US NP
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Search completed: April 24, 2004, 06:38:10
Job time : 117.735 secs

; CURRENT APPLICATION NUMBER: US/10/393,590
; CURRENT FILING DATE: 2003-03-21
; PRIOR APPLICATION NUMBER: 60/368,789
; PRIOR FILING DATE: 2002-03-29
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 12
; LENGTH: 3311
; TYPE: DNA
; ORGANISM: human
US-10-393-590-12

Query Match
Best Local Similarity 100.0%; Score 220; DB 15; Length 3311;
Matches 220; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CTATAGTTGAATTCGTACAGAACAAACCAACAAAGAGCTCCAAACAAAGCAAATC 60
DB 1085 CTATAGTTGAATTCGTACAGAACAAACCAACAAAGAGCTCCAAACAAAGCAAATC 1144
QY 61 AAAAATGCAATCTCCGAGCAGCATGGAGTGCATCGTGATTCGGAGCTTTAAGAAAA 120
DB 1145 AAAAATGCAATCTCCGAGCAGCATGGAGTGCATCGTGATTCGGAGCTTTAAGAAAA 1204
QY 121 CCACCTCTATGACACACAGCCACCAAAATCCACCTTCTCATTTGTCAGATTGGACAAA 180
DB 1205 CCACCTCTATGACACACAGCCACCAAAATCCACCTTCTCATTTGTCAGATTGGACAAA 1264
QY 181 GAATTGTGTTAGTCTCTTGACAAATCTGGAAGCATGGC 220
DB 1265 GAATTGTGTTAGTCTCTTGACAAATCTGGAAGCATGGC 1304

RESULT 15

US-10-393-590-46
; Sequence 46, Application US/10393590
; Publication No. US20030190656A1
; GENERAL INFORMATION:
; APPLICANT: WANG, YIXIN
; TITLE OF INVENTION: BREAST CANCER PROGNOSTIC PORTFOLIO
; FILE REFERENCE: CDS 268 US NP
; CURRENT APPLICATION NUMBER: US/10/393,590
; CURRENT FILING DATE: 2003-03-21
; PRIOR APPLICATION NUMBER: 60/368,789
; PRIOR FILING DATE: 2002-03-29
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 46
; LENGTH: 3311
; TYPE: DNA
; ORGANISM: human
US-10-393-590-46

Query Match
Best Local Similarity 100.0%; Score 220; DB 15; Length 3311;
Matches 220; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CTATAGTTGAATTCGTACAGAACAAACCAACAAAGAGCTCCAAACAAAGCAAATC 60
DB 1085 CTATAGTTGAATTCGTACAGAACAAACCAACAAAGAGCTCCAAACAAAGCAAATC 1144
QY 61 AAAAATGCAATCTCCGAGCAGCATGGAGTGCATCGTGATTCGGAGCTTTAAGAAAA 120
DB 1145 AAAAATGCAATCTCCGAGCAGCATGGAGTGCATCGTGATTCGGAGCTTTAAGAAAA 1204
QY 121 CCACCTCTATGACACACAGCCACCAAAATCCACCTTCTCATTTGTCAGATTGGACAAA 180
DB 1205 CCACCTCTATGACACACAGCCACCAAAATCCACCTTCTCATTTGTCAGATTGGACAAA 1264
QY 181 GAATTGTGTTAGTCTCTTGACAAATCTGGAAGCATGGC 220
DB 1265 GAATTGTGTTAGTCTCTTGACAAATCTGGAAGCATGGC 1304

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OM nucleic - nucleic search, using sw model.

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(without alignments)
6037.311 Million cell updates/sec

Title: US-09-049-696-5
Perfect score: 220
Sequence: 1 CTAATGTCGAATCTGTACA.....GACAAATCTGAAGCATGCG 220

Scoring table: IDENTITY NUC

Gapop 10_0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA:*

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- 4: /cgn2_6/prodata/2/ina/6B COMB.seq:*
- 5: /cgn2_6/prodata/2/ina/PCTUS COMB.seq:*
- 6: /cgn2_6/prodata/2/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	220	100.0	2745	4	US-09-623-624-5
2	220	100.0	3007	4	US-09-193-562D-27
3	162	73.6	2931	4	US-09-623-624-1
4	132.6	60.3	3043	4	US-09-049-698-16
5	132.6	60.3	3181	4	US-09-049-698-18
6	125.4	57.0	231	4	US-09-049-698-3
7	125.4	57.0	619	4	US-09-016-434-931
8	103.2	46.9	3317	4	US-09-193-562D-1
9	99.4	45.2	3418	4	US-09-193-562D-29
10	94.2	42.8	3022	4	US-09-193-562D-33
11	82.4	37.5	2970	4	US-09-193-562D-31
12	80.8	36.7	2773	4	US-09-643-597-358
13	80.8	36.7	2784	4	US-09-643-597-168
14	80.8	36.7	2784	4	US-09-480-884A-168
15	80.8	36.7	2784	4	US-09-542-615A-168
16	80.8	36.7	2784	4	US-09-606-421B-168
17	80.8	36.7	3190	4	US-09-623-624-3
18	80.8	36.7	3362	4	US-09-643-597-167
19	80.8	36.7	3362	4	US-09-480-884A-167
20	80.8	36.7	3362	4	US-09-542-615A-167
21	80.8	36.7	3362	4	US-09-606-421B-167
22	80.8	36.7	3951	4	US-09-643-597-160
23	80.8	36.7	3951	4	US-09-480-884A-160
24	80.8	36.7	3951	4	US-09-542-615A-160
25	80.8	36.7	3951	4	US-09-606-421B-160
26	80.8	36.7	3951	4	US-09-221-107-160
27	80.8	36.7	8031	4	US-09-643-597-254

28	80.8	36.7	8031	4	US-09-480-884A-254	Sequence 254, App	
29	80.8	36.7	8031	4	US-03-542-615A-254	Sequence 254, App	
30	80.8	36.7	8031	4	US-09-606-421B-254	Sequence 254, App	
31	74.2	33.7	3156	4	US-09-919-172-86	Sequence 86, Appl	
C	32	33	15.0	19513	4	US-10-204-708-39	Sequence 39, Appl
33	32.6	14.8	698	4	US-09-171-209-60	Sequence 60, Appl	
C	34	32.2	14.6	1814	4	US-08-956-171B-458	Sequence 458, App
35	32.2	14.6	2434	4	US-09-665-479A-3	Sequence 3, Appl	
36	31.8	14.5	99916	4	US-09-816-095-3	Sequence 3, Appl	
37	31	14.1	193303	4	US-09-497-855A-37	Sequence 37, Appl	
38	31	14.1	193303	4	US-09-497-855A-44	Sequence 44, Appl	
C	39	30.6	13.9	19233	4	US-10-204-708-46	Sequence 46, Appl
C	40	30.4	13.8	6583	4	US-10-204-708-26	Sequence 26, Appl
C	41	30	13.6	647	4	US-09-495-050A-54	Sequence 54, Appl
C	42	30	13.6	6801	4	US-10-204-708-61	Sequence 61, Appl
C	43	30	13.6	10619	4	US-10-204-708-4	Sequence 4, Appl
C	44	29.8	13.5	519	3	US-09-068-140A-3	Sequence 3, Appl
C	45	29.8	13.5	3447	1	US-08-252-995D-3	Sequence 3, Appl

ALIGNMENTS

RESULT 1
US-09-623-624-5
; Sequence 5, Application US/09623624
; Patent No. 6576434
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Asthma-Associated Factors, including Asthma and Related
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/09/623,624
; CURRENT FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,472
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,110
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,168
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/980,872
; PRIOR FILING DATE: 1997-12-01
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 5
; LENGTH: 2745
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(2742)
US-09-623-624-5

Query Match 100.0%; Score 220; DB 4; Length 2745;
Best Local Similarity 100.0%; Pred. No. 3.9e-61;
Matches 220; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	CTATAGTTGAATTCCTGTACAGACAAAACCAACAAGAGCTCCAAACAGCAAAATC	60
Db	734	CTATAGTTGAATTCCTGTACAGACAAAACCAACAAGAGCTCCAAACAGCAAAATC	793
Qy	61	AAAAATGCAATCCCGAAGCAGCATGGGAAGTGATCCGTGATCTGAGGACTTTTAAGAAA	120
Db	794	AAAAATGCAATCCCGAAGCAGCATGGGAAGTGATCCGTGATCTGAGGACTTTTAAGAAA	853
Qy	121	CCACTCCTATGACACACAGGCCACAAATCCACCTTCTCATTTGCTGCAGATTGGACAA	180
Db	854	CCACTCCTATGACACACAGGCCACAAATCCACCTTCTCATTTGCTGCAGATTGGACAA	913
Qy	181	GAATTGTGTGTTAGTCTCTTGACAAATCTGGAAGCATGGC	220
Db	914	GAATTGTGTGTTAGTCTCTTGACAAATCTGGAAGCATGGC	953

RESULT 2

```

US-09-193-562D-27
; Sequence 27, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedict U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 19617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; CURRENT FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 27
; LENGTH: 3007
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-193-562D-27

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Query Match	100.0%;	Score 220;	DB 4;	Length 3007;
Best Local Similarity	100.0%;	Pred. No. 4.1e-61;		
Matches 220;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	1	CTATAGTTGAAATCTCTGTACAGACAAACCAACCAAGAGCTCCAAACCAAGCAAAATC	60	
Db	780	CTATAGTTGAAATCTCTGTACAGACAAACCAACCAAGAGCTCCAAACCAAGCAAAATC	839	
Qy	61	AAAAATGCAATCTCCGAAGCACATGGGAAGTGATCCCTGTATTCGTGAGGACTTTAAGAAAA	120	
Db	840	AAAAATGCAATCTCCGAAGCACATGGGAAGTGATCCCTGTATTCGTGAGGACTTTAAGAAAA	899	
Qy	121	CCACTCTCTATGACAAACACAGCCCAAAATCCACCTTCTCATTCCTGCTCGAGATTGGACAAA	180	
Db	900	CCACTCTCTATGACAAACACAGCCCAAAATCCACCTTCTCATTCCTGCTCGAGATTGGACAAA	959	
Qy	181	GAATTGTGTTTAGTCTCTTGACAAATCTGGAAGCATGGC	220	
Db	960	GAATTGTGTTTAGTCTCTTGACAAATCTGGAAGCATGGC	999	

RESULT 3

[illegible]

ADDRESSEE: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/049,698
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/828,856
FILING DATE: 31-MAR-1997
ATTORNEY/AGENT INFORMATION:
NAME: Becker, Cheryl L.
REGISTRATION NUMBER: 35,441
REFERENCE/DOCKET NUMBER: 6068.US.P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/935-1729
TELEFAX: 847/938-2623
TELEX:
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 3043 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-049-698-16

Query Match 60.3%; Score 132.6; DB 4; Length 3043;
Best Local Similarity 75.3%; Pred. No. 5.2e-33;
Matches 165; Conservative 0; Mismatches 54; Indels 0; Gaps 0;
QY 1 CTATAGTTCGAATTCCTGACAGCAAAACCAACAAAGAGCTCCAAACAAAGCAAAATC 60
Db 747 CTGTTGTTGAATTTTGTACGAAACCAACCAATCAAGAGCTCCAGGCTACAAACA 806
QY 61 AAAATGCAATCTCCGAGCAGCATGGGAAGTGATCCGTGATTCGAGGACTTTAAGAAA 120
Db 807 TAAAGTGCAATTTTAGAAGTACATGGAGTGATGATGCAATTCGAGGATTTTAAACAA 866
QY 121 CCATCTCTATGACACAGCAGCCAAATCCACCTTCTCATGCTGCGAGATTGGACAA 180
Db 867 CCATACCCATGGTGACACCACTCCCTCCACCTGTCTCTCATGCTGGAAGATCAGTCAA 926
QY 181 GAATTGTGTTAGTTCCTTGACAAATCTGGAAGCATGG 219
Db 927 GAATTGTGCTTAGTCTTGTGATAGCTGGAAGCATGG 965

RESULT 5
US-09-049-698-18
Sequence 18, Application US/09049698
Patent No. 6368792
GENERAL INFORMATION:
APPLICANT: BILLING-MEDEL, PATRICIA A.
APPLICANT: COHEN, MAURICE
APPLICANT: COLPITTS, TRACEY L.
APPLICANT: FRIEDMAN, PAULA N.
APPLICANT: HAYDEN, MARK
APPLICANT: KLASS, MICHAEL R.
APPLICANT: ROBERTS-RAPP, LISA
APPLICANT: RUSSELL, JOHN C.
APPLICANT: STROUPE, STEPHEN D.
TITLE OF INVENTION: REAGENTS AND METHODS FOR THE
TITLE OF INVENTION: USEFUL FOR DETECTING DISEASES OF THE GASTROINTESTINAL
NUMBER OF SEQUENCES: 51

CORRESPONDENCE ADDRESS:
ADDRESSEE: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/049,698
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/828,856
FILING DATE: 31-MAR-1997
ATTORNEY/AGENT INFORMATION:
NAME: Becker, Cheryl L.
REGISTRATION NUMBER: 35,441
REFERENCE/DOCKET NUMBER: 6068.US.P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/935-1729
TELEFAX: 847/938-2623
TELEX:
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 3181 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-049-698-18

Query Match 60.3%; Score 132.6; DB 4; Length 3181;
Best Local Similarity 75.3%; Pred. No. 5.3e-33;
Matches 165; Conservative 0; Mismatches 54; Indels 0; Gaps 0;
QY 1 CTATAGTTCGAATTCCTGACAGCAAAACCAACAAAGAGCTCCAAACAAAGCAAAATC 60
Db 758 CTGTTGTTGAATTTTGTACGAAACCAACCAATCAAGAGCTCCAGGCTACAAACA 817
QY 61 AAAATGCAATCTCCGAGCAGCATGGGAAGTGATCCGTGATTCGAGGACTTTAAGAAA 120
Db 818 TAAAGTGCAATTTTAGAAGTACATGGAGTGATGATGCAATTCGAGGATTTTAAACAA 877
QY 121 CCATCTCTATGACACAGCAGCCAAATCCACCTTCTCATGCTGCGAGATTGGACAA 180
Db 878 CCATACCCATGGTGACACCACTCCCTCCACCTGTCTCTCATGCTGGAAGATCAGTCAA 937
QY 181 GAATTGTGTTAGTTCCTTGACAAATCTGGAAGCATGG 219
Db 938 GAATTGTGCTTAGTCTTGTGATAGCTGGAAGCATGG 976

RESULT 6
US-09-049-698-3
Sequence 3, Application US/09049698
Patent No. 6368792
GENERAL INFORMATION:
APPLICANT: BILLING-MEDEL, PATRICIA A.
APPLICANT: COHEN, MAURICE
APPLICANT: COLPITTS, TRACEY L.
APPLICANT: FRIEDMAN, PAULA N.
APPLICANT: HAYDEN, MARK
APPLICANT: KLASS, MICHAEL R.
APPLICANT: ROBERTS-RAPP, LISA
APPLICANT: RUSSELL, JOHN C.
APPLICANT: STROUPE, STEPHEN D.
TITLE OF INVENTION: REAGENTS AND METHODS FOR THE
TITLE OF INVENTION: USEFUL FOR DETECTING DISEASES OF THE GASTROINTESTINAL
TITLE OF INVENTION: TRACT

Db 999 GTGACAAAGTGGTCTCTTTAGTCTGGATGTGTCCAGCAAGATGGC 1044

RESULT 15

US-09-542-615A-168
; Sequence 168, Application US/09542615A

; Patent No. 6518256

; GENERAL INFORMATION:

; APPLICANT: Wang, Tongtong

; APPLICANT: Fan, Ligu

; APPLICANT: Kalos, Michael D.

; APPLICANT: Bangur, Chaitanya S.

; APPLICANT: Hosken, Nancy A.

; APPLICANT: Fanger, Gary R.

; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY

; FILE REFERENCE: 210121.455C8

; CURRENT APPLICATION NUMBER: US/09/542,615A

; CURRENT FILING DATE: 2000-04-14

; NUMBER OF SEQ ID NOS: 350

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 168

; LENGTH: 2784

; TYPE: DNA

; ORGANISM: Homo sapien

; US-09-542-615A-168

Query Match 36.7%; Score 80.8; DB 4; Length 2784;
Best Local Similarity 63.3%; Pred. No. 2.3e-16;
Matches 143; Conservative 0; Mismatches 77; Indels 6; Gaps 1;

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Qy 121 CCACCTCCTAT-----GACAACACAGCCACCAATCCCACTTCTCATTTGCTGCAGATTG 174

Db 939 GCTTTCCCATGAACGGGACTGAGCTTCCACCTCCTCCCACTTCTCGCTTGAGGGCTG 998

Qy 175 GACAAAGAAATTTGTGTTTGTAGTCTTTGACAAATCTGGAAGCATGGC 220

Db 999 GTGACAAAGTGGTCTCTTTAGTCTGGATGTGTCCAGCAAGATGGC 1044

Search completed: April 24, 2004, 05:01:02

Job time : 21.2224 secs

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GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM nucleic - protein search, using frame_plus_n2p model

Run on: April 21, 2004, 16:13:49 ; Search time 31.6735 Seconds
(without alignments)
3840.718 Million cell updates/sec

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Searched: 1133595 seqs, 276475211 residues

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Maximum Match 100%

Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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Result No. Score Match Length DB ID Description

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2	386	98.2	914	9	US-09-823-356-8	Sequence 8, Appli
3	386	98.2	914	9	US-09-922-217-1066	Sequence 1066, Ap
4	386	98.2	914	9	US-09-833-263-1066	Sequence 1066, Ap
5	386	98.2	914	9	US-09-981-353-192	Sequence 192, App
6	386	98.2	914	11	US-09-833-245-2054	Sequence 2054, Ap
7	386	98.2	914	11	US-10-025-380-1066	Sequence 1066, Ap
8	386	98.2	914	14	US-10-055-412B-28	Sequence 28, Appli
9	386	98.2	914	14	US-10-270-595-6	Sequence 6, Appli
10	386	98.2	914	14	US-10-235-994-26	Sequence 26, Appli
11	386	98.2	914	14	US-10-060-255-42	Sequence 42, Appli
12	386	98.2	914	15	US-10-369-214-133	Sequence 133, App
13	386	98.2	925	9	US-09-764-868-635	Sequence 635, App
14	386	98.2	925	14	US-10-106-698-6248	Sequence 6248, Ap
15	343	87.3	913	14	US-10-270-595-2	Sequence 2, Appli
16	343	87.3	913	15	US-10-369-214-132	Sequence 132, App
17	316	80.4	92	11	US-09-864-408A-8554	Sequence 8554, Ap
18	312	79.4	93	11	US-09-864-408A-6150	Sequence 6150, Ap
19	286	72.8	917	9	US-09-981-353-54	Sequence 54, Appli
20	286	72.8	917	13	US-10-025-167-41	Sequence 41, Appli
21	286	72.8	917	14	US-10-235-994-16	Sequence 16, Appli
22	286	72.8	919	9	US-09-989-722-379	Sequence 379, App
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24	286	72.8	919	9	US-09-989-729-379	Sequence 379, App
25	286	72.8	919	9	US-09-989-727-379	Sequence 379, App
26	286	72.8	919	9	US-09-989-731-379	Sequence 379, App
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39	286	72.8	919	9	US-09-989-730-379	Sequence 379, App
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41	286	72.8	919	9	US-09-993-687-379	Sequence 379, App
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43	286	72.8	919	10	US-09-997-653-379	Sequence 379, App
44	286	72.8	919	10	US-09-993-667-379	Sequence 379, App
45	286	72.8	919	10	US-09-997-428-379	Sequence 379, App

ALIGNMENTS

RESULT 1

US-10-106-698-6388
; Sequence 6388, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:

; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptides
; FILE REFERENCE: PA005P1
; CURRENT APPLICATION NUMBER: US/10106,698
; PRIOR FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 6388
; LENGTH: 869

; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: MISC_FEATURE

US-10-106-698-6388

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Best Local Similarity:	100.00%
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Mismatches:	0
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US-09-823-356-8
; Sequence 8, Application US/09823356
; Patent No. US20010025098A1
; GENERAL INFORMATION:
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; APPLICANT: Bandman, Olga
; APPLICANT: Tang, Y. Tom
; APPLICANT: Lal, Preeti
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Yue, Henry
; APPLICANT: Corley, Neil C.
; APPLICANT: Guegler, Karl J.
; APPLICANT: Kasser, Matthew R.
; APPLICANT: Baughn, Mariah R.
; APPLICANT: Shah, Purvi
;

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/ AFFILIATION: Human, Fungi
/ TITLE OF INVENTION: HUMAN MEMBRANE SPANNING PROTEINS
/ FILE REFERENCE: PF-0489-1 CON
/ CURRENT APPLICATION NUMBER: US/09/823,356
/ CURRENT FILING DATE: 2001-03-30
/ PRIOR APPLICATION NUMBER: 09/039,307
/ PRIOR FILING DATE: 1998 March 13
/ NUMBER OF SEQ ID NOS: 34
/ SOFTWARE: PERL Program
/ SEQ ID NO 8
/ LENGTH: 914
/ TYPE: PRT
/ ORGANISM: Homo sapiens
/ FEATURE:
/ NAME/KEY: misc_feature
/ OTHER INFORMATION: Incyte ID No. US20010025098A1 17
US-09-823-356-8

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US-09-922-217-1066
; Sequence 1066, Application US/09922217
; Patent No. US20020076414A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather
; APPLICANT: Benson, Darin R.
; APPLICANT: Meagher, Madeleine Joy
; APPLICANT: Stolk, John A.
; APPLICANT: Wang, Tongtong
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Smith, Carole Lynn
; APPLICANT: King, Gordon E.
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; TITLE OF INVENTION: OF COLON CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 21021.471C13
; CURRENT APPLICATION NUMBER: US/09/922,217
; CURRENT FILING DATE: 2001-08-03
; NUMBER OF SEQ ID NOS: 1124
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1066
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-922-217-1066

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Query Match:	98.22%
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QY		
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US-09-833-263-1066

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; Patent No. US20020110547A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; APPLICANT: Stolk, John A.
; APPLICANT: Meagher, Madeleine J.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND
; FILE OF INVENTION: DIAGNOSIS OF COLON CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.471C12
; CURRENT APPLICATION NUMBER: US/09/833,263
; CURRENT FILING DATE: 2001-04-10
; NUMBER OF SEQ ID NOS: 1093
; SOFTWARE: FastSeq for Windows Version 3.0
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US-09-833-263-1066

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Db 306 ILeValCysLeuValLeuAspLysSerGlySerMet 317

RESULT 5
US-09-833-263-1066
; Sequence 192, Application US/09981353
; Patent No. US20020160382A1
; GENERAL INFORMATION:
; APPLICANT: Lasek, Amy W.
; APPLICANT: Jones, David A.
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0038 US
; CURRENT APPLICATION NUMBER: US/09/981,353
; CURRENT FILING DATE: 2001-10-11
; NUMBER OF SEQ ID NOS: 194
; SOFTWARE: PERL Program
; SEQ ID NO 192
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No. US20020160382A1 1737775CD1
US-09-981-353-192

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QY 63 AAATGCAATCTCCGAGACATCGGAGTGATCCGCTGATTCGAGCACTTTAAGAAAACC 122
Db 266 LysCysAsnLeuArgSerThrTrpGluValIleArgAspSerGluAspPheLysLysThr 285
QY 123 ACTCTATGACAAACACAGCCACCAATCCCACTTCTCATTTGCTGAGATTGGACAAAGA 182
Db 286 ThrProMetThrThrGlnProAsnProThrPheSerLeuLeuGlnIleGlyGlnArg 305
QY 183 ATGTGTGTTTGTAGTCTTGCACAAATCTGGAAGCATG 218
Db 306 ILeValCysLeuValLeuAspLysSerGlySerMet 317

RESULT 6
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; Sequence 2054, Application US/09833245
; Publication No. US20040010134A1
; GENERAL INFORMATION:
; APPLICANT: Human Genome Sciences, Inc.
; TITLE OF INVENTION: Albumin Fusion Proteins
; FILE REFERENCE: PF546PCT
; CURRENT APPLICATION NUMBER: US/09/833,245
; CURRENT FILING DATE: 2001-04-12
; PRIOR APPLICATION NUMBER: 60/229,358
; PRIOR FILING DATE: 2000-04-12
; PRIOR APPLICATION NUMBER: 60/256,931
; PRIOR FILING DATE: 2000-12-21
; PRIOR APPLICATION NUMBER: 60/199,384
; PRIOR FILING DATE: 2000-04-25
; NUMBER OF SEQ ID NOS: 2267
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2054
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; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-833-245-2054

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QY 63 AAATGCAATCTCCGAGACATCGGAGTGATCCGCTGATTCGAGCACTTTAAGAAAACC 122
Db 266 LysCysAsnLeuArgSerThrTrpGluValIleArgAspSerGluAspPheLysLysThr 285
QY 123 ACTCTATGACAAACACAGCCACCAATCCCACTTCTCATTTGCTGAGATTGGACAAAGA 182
Db 286 ThrProMetThrThrGlnProAsnProThrPheSerLeuLeuGlnIleGlyGlnArg 305
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Db 306 ILeValCysLeuValLeuAspLysSerGlySerMet 317

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; Sequence 1066, Application US/10025380
; Publication No. US20020182191A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather
; APPLICANT: Benson, Darin R.
; APPLICANT: Meacher, Madeleine Joy
; APPLICANT: Stolk, John A.
; APPLICANT: Wang, Tongtong
; APPLICANT: Jiang, Yugu
; APPLICANT: Smith, Carole L.
; APPLICANT: King, Gordon E.
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; APPLICANT: Skeiky, Yasir A. W.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Vedwick Thomas S.
; APPLICANT: Carter, Darrick
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; TITLE OF INVENTION: OF COLON CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.471C14
; CURRENT APPLICATION NUMBER: US/10/025,380
; CURRENT FILING DATE: 2001-12-19
; NUMBER OF SEQ ID NOS: 1129
; SOFTWARE: FastSeq for Windows Version 4.0
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US-10-025-380-1066

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Score:              Matches:          72
Percent Similarity: 100.00%
Best Local Similarity: 100.00%
Query Match:        Mismatches:        0
DB:                 Indels:            0
                       Gaps:            0

US-09-049-696-5 (1-220) x US-10-025-380-1066 (1-914)
QY 3 ATAGTTGAATTCGTACAGAACCAACCAAGAGCTCCAAAGCAAAATCAA 62
Db 246 lIeValGluPheCysThrGluGlnAsnHisAsnLysGluAlaProAsnLysGlnAsnGln 265
QY 63 AAATGCAATCTCCGAGCAGCATGGGAAGTGATCCGTGATTCGAGGACTTTAAGAAACC 122
Db 266 LysCysAsnLeuArgSerThrTrpGluValIleArgAspSerGluAspPheLysLysThr 285
QY 123 ACTCTATGACACACAGCAGCAATCCACCTTCTCATTCGAGGACTTTAAGAAACC 182
Db 286 ThrProMetThrGlnProAsnProThrPheSerLeuLeuGlnIleGlyGlnArg 305

; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/10/270,595
; CURRENT FILING DATE: 2002-10-16
; PRIOR APPLICATION NUMBER: US/09/623,624
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,472
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; PRIOR FILING DATE: 1996-08-23
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-270-595-6
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; Sequence 1066, Application US/10025380
; Publication No. US20020182191A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather
; APPLICANT: Benson, Darin R.
; APPLICANT: Meacher, Madeleine Joy
; APPLICANT: Stolk, John A.
; APPLICANT: Wang, Tongtong
; APPLICANT: Jiang, Yugu
; APPLICANT: Smith, Carole L.
; APPLICANT: King, Gordon E.
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; APPLICANT: Skeiky, Yasir A. W.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Vedwick Thomas S.
; APPLICANT: Carter, Darrick
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; TITLE OF INVENTION: OF COLON CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.471C14
; CURRENT APPLICATION NUMBER: US/10/025,380
; CURRENT FILING DATE: 2001-12-19
; NUMBER OF SEQ ID NOS: 1129
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1066
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-025-380-1066

Alignment Scores:
Pred. No.:          Length:          914
Score:              Matches:          72
Percent Similarity: 100.00%
Best Local Similarity: 100.00%
Query Match:        Mismatches:        0
DB:                 Indels:            0
                       Gaps:            0

US-09-049-696-5 (1-220) x US-10-025-380-1066 (1-914)
QY 3 ATAGTTGAATTCGTACAGAACCAACCAAGAGCTCCAAAGCAAAATCAA 62
Db 246 lIeValGluPheCysThrGluGlnAsnHisAsnLysGluAlaProAsnLysGlnAsnGln 265
QY 63 AAATGCAATCTCCGAGCAGCATGGGAAGTGATCCGTGATTCGAGGACTTTAAGAAACC 122
Db 266 LysCysAsnLeuArgSerThrTrpGluValIleArgAspSerGluAspPheLysLysThr 285
QY 123 ACTCTATGACACACAGCAGCAATCCACCTTCTCATTCGAGGACTTTAAGAAACC 182
Db 286 ThrProMetThrGlnProAsnProThrPheSerLeuLeuGlnIleGlyGlnArg 305

; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0058
; CURRENT APPLICATION NUMBER: US/10/055,412B
; CURRENT FILING DATE: 2001-10-29
; PRIOR APPLICATION NUMBER: US/09/193,562
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
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; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 28
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-055-412B-28

Alignment Scores:
Pred. No.:          Length:          914
Score:              Matches:          72
Percent Similarity: 100.00%
Best Local Similarity: 100.00%
Query Match:        Mismatches:        0
DB:                 Indels:            0
                       Gaps:            0

US-09-049-696-5 (1-220) x US-10-055-412B-28 (1-914)
QY 3 ATAGTTGAATTCGTACAGAACCAACCAAGAGCTCCAAAGCAAAATCAA 62
Db 246 lIeValGluPheCysThrGluGlnAsnHisAsnLysGluAlaProAsnLysGlnAsnGln 265
QY 63 AAATGCAATCTCCGAGCAGCATGGGAAGTGATCCGTGATTCGAGGACTTTAAGAAACC 122
Db 266 LysCysAsnLeuArgSerThrTrpGluValIleArgAspSerGluAspPheLysLysThr 285
QY 123 ACTCTATGACACACAGCAGCAATCCACCTTCTCATTCGAGGACTTTAAGAAACC 182
Db 286 ThrProMetThrGlnProAsnProThrPheSerLeuLeuGlnIleGlyGlnArg 305

; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/10/270,595
; CURRENT FILING DATE: 2002-10-16
; PRIOR APPLICATION NUMBER: US/09/623,624
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,472
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; PRIOR FILING DATE: 1996-08-23
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-270-595-6
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Alignment Scores: 2.08e-39 Length: 914
Pred. No.: 386.00 Matches: 72
Score: 386.00
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 98.22% Indels: 0
DB: 14 Gaps: 0

US-09-049-696-5 (1-220) x US-10-270-595-6 (1-914)

QY 3 ATAGTTGAATTCCTGTACAGACAAACCAACAAAGAGCTCCAAACAGCAAAATCAA 62
DB 246 IIEValGluPheCysThrGluGlnAenHisAenLysGluAlaProAenLysGlnAenGln 265
QY 63 AAATGCAATCTCCGAAGCATGGGAGTGCATCCGTGATTCTGAGACTTTAAGAAAC 122
DB 266 LysCysAenLeuArgSerThrTrpGluValIleArgAspSerGluAspPheLysLysThr 285
QY 123 ACTCTATGACAAACACAGCCACCAATCCACCTTCTCATTTGCTGAGATTGGACAAAGA 182
DB 286 ThrProMetThrThrGlnProAenProThrPheSerLeuLeuGlnIleGlyGlnArg 305
QY 183 ATTGTGTGTTAGTCTTCGACAAATCTGGAAGCATG 218
DB 306 IIEValCysLeuValLeuAspLysSerGlySerMet 317

RESULT 10

US-10-235-994-26
; Sequence 26, Application US/10235994
; Publication No. US20030101002A1
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael
; TITLE OF INVENTION: METHODS FOR ANALYZING GENE EXPRESSION PATTERNS
; FILE REFERENCE: ICYTP012
; CURRENT APPLICATION NUMBER: US/10/235,994
; CURRENT FILING DATE: 2002-09-04
; PRIOR APPLICATION NUMBER: US/10/003,608
; PRIOR FILING DATE: 2001-11-01
; PRIOR APPLICATION NUMBER: 60/245,081
; PRIOR FILING DATE: 2000-11-01
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 26
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Human
US-10-235-994-26

Alignment Scores: 2.08e-39 Length: 914
Pred. No.: 386.00 Matches: 72
Score: 386.00
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 98.22% Indels: 0
DB: 14 Gaps: 0

US-09-049-696-5 (1-220) x US-10-235-994-26 (1-914)

QY 3 ATAGTTGAATTCCTGTACAGACAAACCAACAAAGAGCTCCAAACAGCAAAATCAA 62
DB 246 IIEValGluPheCysThrGluGlnAenHisAenLysGluAlaProAenLysGlnAenGln 265
QY 63 AAATGCAATCTCCGAAGCATGGGAGTGCATCCGTGATTCTGAGACTTTAAGAAAC 122
DB 266 LysCysAenLeuArgSerThrTrpGluValIleArgAspSerGluAspPheLysLysThr 285
QY 123 ACTCTATGACAAACACAGCCACCAATCCACCTTCTCATTTGCTGAGATTGGACAAAGA 182
DB 286 ThrProMetThrThrGlnProAenProThrPheSerLeuLeuGlnIleGlyGlnArg 305
QY 183 ATTGTGTGTTAGTCTTCGACAAATCTGGAAGCATG 218

Db 306 IIEValCysLeuValLeuAspLysSerGlySerMet 317

RESULT 11

US-10-060-255-42
; Sequence 42, Application US/10060255
; Publication No. US20030113840A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 25 Human secreted proteins
; FILE REFERENCE: PZ042P1
; CURRENT APPLICATION NUMBER: US/10/060,255
; CURRENT FILING DATE: 2002-02-01
; PRIOR APPLICATION NUMBER: 09/781,417
; PRIOR FILING DATE: 2001-02-13
; PRIOR APPLICATION NUMBER: PCT/US00/22325
; PRIOR FILING DATE: 2000-08-16
; PRIOR APPLICATION NUMBER: 60/149,182
; PRIOR FILING DATE: 1999-08-17
; NUMBER OF SEQ ID NOS: 86
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 42
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-060-255-42

Alignment Scores: 2.08e-39 Length: 914
Pred. No.: 386.00 Matches: 72
Score: 386.00
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 98.22% Indels: 0
DB: 14 Gaps: 0

US-09-049-696-5 (1-220) x US-10-060-255-42 (1-914)

QY 3 ATAGTTGAATTCCTGTACAGACAAACCAACAAAGAGCTCCAAACAGCAAAATCAA 62
DB 246 IIEValGluPheCysThrGluGlnAenHisAenLysGluAlaProAenLysGlnAenGln 265
QY 63 AAATGCAATCTCCGAAGCATGGGAGTGCATCCGTGATTCTGAGACTTTAAGAAAC 122
DB 266 LysCysAenLeuArgSerThrTrpGluValIleArgAspSerGluAspPheLysLysThr 285
QY 123 ACTCTATGACAAACACAGCCACCAATCCACCTTCTCATTTGCTGAGATTGGACAAAGA 182
DB 286 ThrProMetThrThrGlnProAenProThrPheSerLeuLeuGlnIleGlyGlnArg 305
QY 183 ATTGTGTGTTAGTCTTCGACAAATCTGGAAGCATG 218
DB 306 IIEValCysLeuValLeuAspLysSerGlySerMet 317

RESULT 12

US-10-369-214-133
; Sequence 133, Application US/10369214
; Publication No. US2003023037A1
; GENERAL INFORMATION:
; APPLICANT: Groot, Pieter C.
; APPLICANT: Bergenhegouwen van, Bram J.
; APPLICANT: Oosterhout van, Antoon J.M.
; TITLE OF INVENTION: Genes involved in immune related responses observed
; TITLE OF INVENTION: with asthma
; FILE REFERENCE: P53837US00
; CURRENT APPLICATION NUMBER: US/10/369,214
; CURRENT FILING DATE: 2003-02-15
; PRIOR APPLICATION NUMBER: EP 00202867.8
; PRIOR FILING DATE: 2000-08-16
; PRIOR APPLICATION NUMBER: PCT/NL01/00610
; PRIOR FILING DATE: 2001-08-16
; NUMBER OF SEQ ID NOS: 139
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 133

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; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (1)..(914)
; OTHER INFORMATION: /note="Human CLCA1"
US-10-369-214-133

Alignment Scores:
Pred. No.: 2,08e-39 Length: 914
Score: 386.00 Matches: 72
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 98.22% Indels: 0
DB: 15 Gaps: 0

US-09-049-696-5 (1-220) x US-10-369-214-133 (1-914)
QY 3 ATAGTTGAATTCGTACAGAACCAACCAAGAGCTCCAAACAGCAAAATCAA 62
Db 246 lIeValGluPheCysThrGluGlnAsnHisAsnLysGluAlaProAsnLysGlnAsnGln 265
QY 63 AAATGCAATCTCCGAGCAGCATGGGAAGTGATCCGTGATTCGAGGACTTTAAGAAACC 122
Db 266 LysCysAsnLeuArgSerThrTrpGluValIleArgAspSerGluAspPheLysLysThr 285
QY 123 ACTCCTATGACAAACACAGCAGCACAATCCACCTTCTCATTCGTCGAGATTGGACAAAGA 182
Db 286 ThrProMetThrThrGlnProAsnProThrPheSerLeuLeuGlnIleGlyGlnArg 305
QY 183 ATTGTGCTTTAGTCTTCGACAAATCTGGAAGCATG 218
Db 306 lIeValCysLeuValLeuAspLysSerGlySerMet 317

RESULT 13
US-09-764-868-635
; Sequence 635, Application US/09764868
; Patent No. US20020168711A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PT232
; CURRENT APPLICATION NUMBER: US/09/764,868
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 1510
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 635
; LENGTH: 925
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-764-868-635

Alignment Scores:
Pred. No.: 2,08e-39 Length: 925
Score: 386.00 Matches: 72
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 98.22% Indels: 0
DB: 9 Gaps: 0

US-09-049-696-5 (1-220) x US-09-764-868-635 (1-925)
QY 3 ATAGTTGAATTCGTACAGAACCAACCAAGAGCTCCAAACAGCAAAATCAA 62
Db 257 lIeValGluPheCysThrGluGlnAsnHisAsnLysGluAlaProAsnLysGlnAsnGln 276
QY 63 AAATGCAATCTCCGAGCAGCATGGGAAGTGATCCGTGATTCGAGGACTTTAAGAAACC 122
Db 277 LysCysAsnLeuArgSerThrTrpGluValIleArgAspSerGluAspPheLysLysThr 296
QY 123 ACTCCTATGACAAACACAGCAGCACAATCCACCTTCTCATTCGTCGAGATTGGACAAAGA 182
Db 286 ThrProMetThrThrGlnProAsnProThrPheSerLeuLeuGlnIleGlyGlnArg 316

RESULT 14
US-10-106-698-6248
; Sequence 6248, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptides
; FILE REFERENCE: PA005P1
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 6248
; LENGTH: 925
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-106-698-6248

Alignment Scores:
Pred. No.: 2,08e-39 Length: 925
Score: 386.00 Matches: 72
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 98.22% Indels: 0
DB: 14 Gaps: 0

US-09-049-696-5 (1-220) x US-10-106-698-6248 (1-925)
QY 3 ATAGTTGAATTCGTACAGAACCAACCAAGAGCTCCAAACAGCAAAATCAA 62
Db 257 lIeValGluPheCysThrGluGlnAsnHisAsnLysGluAlaProAsnLysGlnAsnGln 276
QY 63 AAATGCAATCTCCGAGCAGCATGGGAAGTGATCCGTGATTCGAGGACTTTAAGAAACC 122
Db 277 LysCysAsnLeuArgSerThrTrpGluValIleArgAspSerGluAspPheLysLysThr 296
QY 123 ACTCCTATGACAAACACAGCAGCACAATCCACCTTCTCATTCGTCGAGATTGGACAAAGA 182
Db 297 ThrProMetThrThrGlnProAsnProThrPheSerLeuLeuGlnIleGlyGlnArg 316

RESULT 15
US-10-270-595-2
; Sequence 2, Application US/10270595
; Publication No. US20030078409A1
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/10/270,595
; CURRENT FILING DATE: 2002-10-15
; PRIOR APPLICATION NUMBER: US/09/523,624
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
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Db 297 ThrProMetThrThrGlnProAsnProThrPheSerLeuLeuGlnIleGlyGlnArg 316
QY 183 ATTGTGCTTTAGTCTTCGACAAATCTGGAAGCATG 218
Db 317 lIeValCysLeuValLeuAspLysSerGlySerMet 328

RESULT 14
US-10-106-698-6248
; Sequence 6248, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptides
; FILE REFERENCE: PA005P1
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 6248
; LENGTH: 925
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-106-698-6248

Alignment Scores:
Pred. No.: 2,08e-39 Length: 925
Score: 386.00 Matches: 72
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 98.22% Indels: 0
DB: 14 Gaps: 0

US-09-049-696-5 (1-220) x US-10-106-698-6248 (1-925)
QY 3 ATAGTTGAATTCGTACAGAACCAACCAAGAGCTCCAAACAGCAAAATCAA 62
Db 257 lIeValGluPheCysThrGluGlnAsnHisAsnLysGluAlaProAsnLysGlnAsnGln 276
QY 63 AAATGCAATCTCCGAGCAGCATGGGAAGTGATCCGTGATTCGAGGACTTTAAGAAACC 122
Db 277 LysCysAsnLeuArgSerThrTrpGluValIleArgAspSerGluAspPheLysLysThr 296
QY 123 ACTCCTATGACAAACACAGCAGCACAATCCACCTTCTCATTCGTCGAGATTGGACAAAGA 182
Db 297 ThrProMetThrThrGlnProAsnProThrPheSerLeuLeuGlnIleGlyGlnArg 316

RESULT 15
US-10-270-595-2
; Sequence 2, Application US/10270595
; Publication No. US20030078409A1
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/10/270,595
; CURRENT FILING DATE: 2002-10-15
; PRIOR APPLICATION NUMBER: US/09/523,624
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
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; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,472
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; PRIOR FILING DATE: 1996-08-23
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 913
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-270-595-2

Alignment Scores:
Pred. No.:      5,17e-34      Length:      913
Score:          343.00      Matches:      62
Percent Similarity: 95.83%      Conservative: 7
Best Local Similarity: 86.11%      Mismatches: 3
Query Match:      87.28%      Indels:      0
DB:              14          Gaps:          0

US-09-049-696-5 (1-220) x US-10-270-595-2 (1-913)
QY      3 ATAGTTGAATCTGTACAGAACAAACCAAGAGCTCCAAACAGCAATCAA 62
Db      247 ValValGluPheCysThrGluLysAsnHisAsnGlnGluAlaProAsnAspGlnAsnGln 266
QY      63 AAATGCAATCTCCGAGCACATCGGAGATGATCCGTGATTCGAGGACTTTAAGAAAACC 122
Db      267 ArgCysAsnLeuArgSerThrTrpGluValIleGlnGluSerGluAspPheLysGlnThr 286
QY      123 ACTCCTATGACACACAGCCACCAATCCACCTTCTCATTGCTGAGATTGACAAAGA 182
Db      287 ThrProMetThrAlaGlnProProAlaProThrPheSerLeuLeuGlnIleGlyGlnArg 306
QY      183 ATTGTGTGTTTAGCTCTTGACAAATCTGGAAGCATG 218
Db      307 IleValCysLeuValLeuAspLysSerGlySerMet 318
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Job time : 47.6735 secs

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OM nucleic - protein search, using frame_plus_n2p model

Run on: April 21, 2004, 16:13:29 ; Search time 11.2265 Seconds
(without alignments)
2023.381 Million cell updates/sec

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Perfect score: 393
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Ygapop 10.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 389414 seqs, 51625971 residues
Total number of hits satisfying chosen parameters: 778828

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Command line parameters:
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-O=/cgn2_1/USPTO_spool_p/US09049696/runat_21042004_154838_21255/app_query.fasta_1.13694
-DB=Issued Patents AA -QFMT=fastan -SUFFIX=n2p.ra1 -MINMATCH=0.1 -LOOPCL=0
-LOOPEXT=0 -UNITS=bits -START=1 -END=1 -MATRIX=blosum62 -TRANS=human40.cdi
-LIST=45 -DOCALIGN=200 -THR SCORE=pct -THR MAX=100 -THR MIN=0 -ALIGN=15
-MODE=LOCAL -OUTFMT=ptc -NORM=ext -HEAPSIZ=500 -MINLEN=0 -MAXLEN=2000000000
-USER=US09049696 @CGN 1.1 321 @runat_21042004_154838_21255 -NCPU=6 -ICPU=3
-NO WMAP -LARGEQUERY -NEG SCORES=0 -WAIT -DSPBLOCK=100 -LONGLOG
-DEV TIMEOUT=120 -WARN TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5 -FGAPOP=6
-FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database : Issued Patents AA:
1: /cgn2_6/prodata/2/iaa/5A COMB.pcp.*
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3: /cgn2_6/prodata/2/iaa/6A COMB.pcp.*
4: /cgn2_6/prodata/2/iaa/6B COMB.pcp.*
5: /cgn2_6/prodata/2/iaa/6C COMB.pcp.*
6: /cgn2_6/prodata/2/iaa/backfiles1.pcp.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	386	98.2	914	4	US-09-193-562D-28
2	386	98.2	914	4	US-09-623-624-6
3	343	87.3	913	4	US-09-623-624-2
4	286	72.8	917	4	US-09-049-698-41
5	252	64.1	902	4	US-09-193-562D-34
6	249.5	63.5	1000	4	US-09-193-562D-30
7	249	63.4	342	4	US-09-193-562D-13
8	249	63.4	795	4	US-09-193-562D-11
9	249	63.4	821	4	US-09-193-562D-12
10	249	63.4	905	4	US-09-193-562D-2
11	248	63.1	903	4	US-09-193-562D-46
12	248	63.1	903	4	US-09-623-624-18

13	232	59.0	943	4	US-09-193-562D-32	Sequence 32, Appl
14	230	58.5	943	4	US-09-623-624-4	Sequence 4, Appl
15	229	58.3	592	4	US-09-643-597-169	Sequence 169, App
16	229	58.3	592	4	US-09-480-884A-169	Sequence 169, App
17	229	58.3	592	4	US-09-542-615A-169	Sequence 169, App
18	229	58.3	592	4	US-09-606-421B-169	Sequence 169, App
19	229	58.3	791	4	US-09-643-597-170	Sequence 170, App
20	229	58.3	791	4	US-09-480-884A-170	Sequence 170, App
21	229	58.3	791	4	US-09-542-615A-170	Sequence 170, App
22	229	58.3	791	4	US-09-606-421B-170	Sequence 170, App
23	229	58.3	920	4	US-09-643-597-357	Sequence 357, App
24	229	58.3	943	4	US-09-643-597-161	Sequence 161, App
25	229	58.3	943	4	US-09-480-884A-161	Sequence 161, App
26	229	58.3	943	4	US-09-542-615A-161	Sequence 161, App
27	229	58.3	943	4	US-09-606-421B-161	Sequence 161, App
28	229	58.3	943	4	US-09-221-107-161	Sequence 161, App
29	216	55.0	942	4	US-09-919-173-87	Sequence 87, Appl
30	71.5	18.2	3079	5	PCT-US94-00198-4	Sequence 4, Appl
31	69	17.4	1912	4	US-09-495-714C-2	Sequence 2, Appl
32	69	17.4	1977	4	US-09-495-714C-4	Sequence 4, Appl
33	64	16.3	1985	4	US-09-495-714C-6	Sequence 6, Appl
34	64	16.3	579	4	US-09-173-151A-2	Sequence 2, Appl
35	64	16.3	686	4	US-09-173-151A-4	Sequence 4, Appl
36	63	16.0	357	1	US-08-145-006C-12	Sequence 12, Appl
37	63	16.0	357	5	PCT-US94-00545-12	Sequence 12, Appl
38	62.5	15.9	404	4	US-09-517-605-2	Sequence 2, Appl
39	62	15.8	1645	4	US-09-976-594-769	Sequence 769, App
40	62	15.6	1872	6	5386025-6	Patent No. 5386025
41	62	15.6	1873	1	US-08-435-675B-4	Sequence 4, Appl
42	62	15.6	1873	1	US-08-336-257A-7	Sequence 7, Appl
43	62	15.6	2161	1	US-07-745-206A-2	Sequence 2, Appl
44	62	15.6	2161	1	US-08-455-543A-49	Sequence 49, Appl
45	62	15.6	2161	1	US-08-455-543A-51	Sequence 51, Appl

ALIGNMENTS

RESULT 1
US-09-193-562D-28
; Sequence 28, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedict U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; CURRENT FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 28
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-193-562D-28

Alignment Scores:					
Pred. No.:	6,07e-43	Length:	914		
Score:	386.00	Matches:	72		
Percent Similarity:	100.00%	Conservative:	0		
Best Local Similarity:	100.00%	Mismatches:	0		
Query Match:	98.22%	Indels:	0		
DB:	4	Gaps:	0		
US-09-049-696-5 (1-220) x US-09-193-562D-28 (1-914)					
QY	3	ATAGTTGAATCTGTACAGAACAAACCAACAAAGAGCTCCAAACAGCAAAATCAA	62		
Db	246	IleValGluPheCysThrGluGlnAsnHisAsnLysGluAlaProAsnLysGlnAsnGln	265		
QY	63	AAATGCAATCTCCGAGACCATGGGAGGTGATCCGTGATCTTGAGCACTTTTAAAGAAC	122		

Db 266 LysCysAsnLeuArgSerThrTrpGluValIleArgAspSerGluAspPheLysLysThr 285
QY 123 ACTCTATGACACACAGCAGCACCAATCCACCTTCTCATTTGCTGAGATTGGACAAGA 182
Db 286 ThrProMetThrThrGlnProAsnProThrPheSerLeuLeuGlnIleGlyGlnArg 305
QY 183 ATTGTGCTTTAGTCTCTTGACAAATCTGGAAGCATG 218
Db 306 IleValCysLeuValLeuAspLysSerGlySerMet 317
RESULT 2
US-09-623-624-6
; Sequence 6, Application US/09623624
; Patent No. 6576434
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/09/623,624
; CURRENT FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,472
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,110
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,168
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,168
; PRIOR FILING DATE: 1997-12-01
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-623-624-6
Alignment Scores:
Pred. No.: 6,07e-43 Length: 914
Score: 386.00 Matches: 72
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 98.22% Indels: 0
DB: 4 Gaps: 0
US-09-049-696-5 (1-220) x US-09-623-624-6 (1-914)
QY 3 ATAGTTGAATCTGTACAGACAAACCAACAAAGAGCTCCAAACAGCAAAATCAA 62
Db 246 IleValGluPheCysThrGluGlnAsnHisAsnLysGluAlaProAsnLysGlnAsnGln 265
QY 63 AAATGCAATCTCCGAGCAGCATGGAGATCCGATCTTGAGACTTTAAGAAACC 122
Db 266 LysCysAsnLeuArgSerThrTrpGluValIleArgAspSerGluAspPheLysLysThr 285
QY 123 ACTCTATGACACACAGCAGCACCAATCCACCTTCTCATTTGCTGAGATTGGACAAGA 182

Db 286 ThrProMetThrThrGlnProAsnProThrPheSerLeuLeuGlnIleGlyGlnArg 305
QY 183 ATTGTGCTTTAGTCTCTTGACAAATCTGGAAGCATG 218
Db 306 IleValCysLeuValLeuAspLysSerGlySerMet 317
RESULT 3
US-09-623-624-2
; Sequence 2, Application US/09623624
; Patent No. 6576434
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/09/623,624
; CURRENT FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,472
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,110
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,168
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/980,872
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-623-624-2
Alignment Scores:
Pred. No.: 3,31e-37 Length: 913
Score: 343.00 Matches: 62
Percent Similarity: 95.83% Conservative: 7
Best Local Similarity: 86.11% Mismatches: 3
Query Match: 87.28% Indels: 0
DB: 4 Gaps: 0
US-09-049-696-5 (1-220) x US-09-623-624-2 (1-913)
QY 3 ATAGTTGAATCTGTACAGACAAACCAACAAAGAGCTCCAAACAGCAAAATCAA 62
Db 247 ValValGluPheCysThrGluLysAsnHisAsnGlnGluAlaProAsnLysGlnAsnGln 266
QY 63 AAATGCAATCTCCGAGCAGCATGGAGATCCGATCTTGAGACTTTAAGAAACC 122
Db 267 ArgCysAsnLeuArgSerThrTrpGluValIleGlnGluSerGluAspPheLysGlnThr 286
QY 123 ACTCTATGACACACAGCAGCACCAATCCACCTTCTCATTTGCTGAGATTGGACAAGA 182
Db 287 ThrProMetThrAlaGlnProAlaProThrPheSerLeuLeuGlnIleGlyGlnArg 306

QY 183 ATTGTGTTAGTCTTGCACAAATCTGAAGCATG 218
Db 307 lIeValCysLeuValLeuAspLysSerGlySerMet 318

RESULT 4

US-09-049-698-41 US-09-049-698-41 Application US/09049698
; Sequence 41, Application US/09049698
; Patent No. 6368792
; GENERAL INFORMATION:
; APPLICANT: BILLING-MEDEL, PATRICIA A.
; APPLICANT: COHEN, MAURICE
; APPLICANT: COLPITTS, TRACEY L.
; APPLICANT: FRIEDMAN, PAULA N.
; APPLICANT: HAYDEN, MARK
; APPLICANT: KLASS, MICHAEL R.
; APPLICANT: ROBERTS-RAPP, LISA
; APPLICANT: RUSSELL, JOHN C.
; APPLICANT: STROUPE, STEPHEN D.
; TITLE OF INVENTION: REAGENTS AND METHODS FOR THE
; TITLE OF INVENTION: USEFUL FOR DETECTING DISEASES OF THE GASTROINTESTINAL
; TITLE OF INVENTION: TRACT
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Abbott Laboratories
; STREET: 100 Abbott Park Road
; CITY: Abbott Park
; STATE: IL
; COUNTRY: USA
; ZIP: 60064-3500
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/049,698
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/828,856
; FILING DATE: 31-MAR-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Becker, Cheryl L.
; REGISTRATION NUMBER: 35,441
; REFERENCE/DOCKET NUMBER: 6068.US.P1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 847/935-1729
; TELEFAX: 847/938-2623
; TELEX:
; INFORMATION FOR SEQ ID NO: 41:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 917 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: No. 6368792e
US-09-049-698-41

Alignment Scores:
Pred. No.: 1,348-29 Length: 917
Score: 286.00 Matches: 53
Percent Similarity: 81.94% Conservative: 6
Best Local Similarity: 73.61% Mismatches: 13
Query Match: 72.77% Indels: 0
DB: 4 Gaps: 0

US-09-049-696-5 (1-220) x US-09-049-698-41 (1-917)

QY 3 ATAGTTGAATTCCTGTACAGAACAAACCAAGAGCTCCAAACAGCAAAATCAA 62
Db 246 ValValGluPheCysAsnGluThrHisAsnGlnGluAlaProSerLeuGlnAsnIle 265
QY 63 AAATGCAATCTCCGAGACCATGGGAAGTATCCGTGATTCTGAGGACTTTAAGAAACC 122

Db 266 LysCysAsnPheArgSerThrTrpGluValIleSerAsnSerGluAspPheLysAsnThr 285
QY 123 ACTCTATGACAAACAGCAGCACCAATCCACCTCTCATTTGCTGCAGATTGACAAAGA 182
Db 286 lIeProMetValThrProProProValPheSerLeuLeuLysIleSerGlnArg 305
QY 183 ATTGTGTTAGTCTTGCACAAATCTGAAGCATG 218
Db 306 lIeValCysLeuValLeuAspLysSerGlySerMet 317

RESULT 5

US-09-193-562D-34
; Sequence 34, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 34
; LENGTH: 902
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-193-562D-34

Alignment Scores:
Pred. No.: 4,57e-25 Length: 902
Score: 252.00 Matches: 48
Percent Similarity: 75.68% Conservative: 8
Best Local Similarity: 64.88% Mismatches: 16
Query Match: 64.12% Indels: 2
DB: 4 Gaps: 1

US-09-049-696-5 (1-220) x US-09-193-562D-34 (1-902)

QY 3 ATAGTTGAATTCCTGTACAGAACAAACCAAGAGCTCCAAACAGCAAAATCAA 62
Db 246 ValValGluPheCysThrGluAsnAsnHisAsnAlaGluAlaProAsnLeuGlnAsnLys 265
QY 63 AAATGCAATCTCCGAGACCATGGGAAGTATCCGTGATTCTGAGGACTTTAAGAAACC 122
Db 266 MetCysAsnArgSerThrTrpAspValIleLysThrSerAlaAspPheGlnAsnAla 285
QY 123 ACTCTATG-----ACAAACAGCAGCACCAATCCACCTCTCATTTGCTGCAGATTGGA 176
Db 286 ProProMetArgGlyThrGluAlaProProProThrPheThrLeuLeuLysSerArg 305
QY 177 CAAGAATTTGTGTTTAGTCTTGCACAAATCTGAAGCATG 218
Db 306 ArgArgValValCysLeuValLeuAspLysSerGlySerMet 319

RESULT 6

US-09-193-562D-30
; Sequence 30, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 30
; LENGTH: 1000


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; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,472
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,110
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,168
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/980,872
; PRIOR FILING DATE: 1997-12-01
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 18
; LENGTH: 903
; TYPE: PRT
; ORGANISM: Bos taurus
US-09-623-624-18

Alignment Scores:
Pred. No.: 1,56e-24 Length: 903
Score: 248.00 Matches: 47
Percent Similarity: 77.03% Conservative: 10
Best Local Similarity: 63.51% Mismatches: 15
Query Match: 63.10% Indels: 2
DB: 4 Gaps: 1

US-09-049-696-5 (1-220) x US-09-623-624-18 (1-903)
QY 3 ATAGTTGAATTCGTACAGAACCAACCAAGAGCTCCAAAGCAAAATCAA 62
::: ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 246 ValThrGluPheCysThrHisAsnValGluAlaProAsnLeuGlnAsnLys 265
QY 63 AAATGCAATCTCCGAGCAGTGGAGTATCGGTGATTCGAGGACTTTAAGAAACC 122
::: ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 266 MetCysAsnGlySerThrTrpAspValIleMetAsnSerThrAspPheGlnAsnThr 285
QY 123 ACTCTATGACACACAGCAGCAGTGGAGTATCGGTGATTCGAGGACTTTAAGAAACC 176
::: ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 286 SerProMetThrGluMetAsnProProThrGlnProThrPheSerLeuLeuLysSerLys 305
QY 177 CAAAGAATTGTGTTAGTCTCTGACAAATCTGGAAGCATG 218
::: ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 306 GlnArgValValCysLeuValLeuAspLysSerGlySerMet 319

RESULT 13
US-09-193-562D-32
; Sequence 32, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; CURRENT FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 32
; LENGTH: 943
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-193-562D-32

Alignment Scores:
Pred. No.: 2.16e-22 Length: 943
Score: 232.00 Matches: 44
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Percent Similarity: 70.27% Conservative: 8
Best Local Similarity: 59.46% Mismatches: 20
Query Match: 59.03% Indels: 2
DB: 4 Gaps: 1

US-09-049-696-5 (1-220) x US-09-193-562D-32 (1-943)
QY 3 ATAGTTGAATTCGTACAGAACCAACCAAGAGCTCCAAAGCAAAATCAA 62
::: ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 249 ValValGluPheCysAsnAlaSerThrHisGlnGluAlaProAsnLeuGlnGln 268
QY 63 AAATGCAATCTCCGAGCAGTGGAGTATCGGTGATTCGAGGACTTTAAGAAACC 122
::: ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 269 MetCysSerLeuArgSerAlaTrpAspValIleThrAspSerAlaAspPheHisSer 288
QY 123 ACTCTATG-----ACAACAGCAGCAGCAGTGGAGTATTCGAGGACTTTAAGAAACC 176
::: ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 289 PheProMetAsnGlyThrGluLeuProProProThrPheSerLeuValGlnAlaGly 308
QY 177 CAAAGAATTGTGTTAGTCTCTGACAAATCTGGAAGCATG 218
::: ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 309 AspLysValValCysLeuValLeuAspValSerSerLysMet 322

RESULT 14
US-09-623-624-4
; Sequence 4, Application US/09623624
; Patent No. 6576434
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/09/623,624
; CURRENT FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,472
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,110
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,168
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/980,872
; PRIOR FILING DATE: 1997-12-01
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 943
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-623-624-4

Alignment Scores:
Pred. No.: 3.98e-22 Length: 943
Score: 230.00 Matches: 43
Percent Similarity: 70.27% Conservative: 9
Best Local Similarity: 58.11% Mismatches: 20
Query Match: 58.52% Indels: 2
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Db 249 ValValGluPheCysAsnAlaSerThrHisAsnGlnGluAlaProAsnLeuGlnAsnGln 268
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QY 63 AAATGCAATCTCCGAAGCATGGGAGTGATCCGGTATTCTGAGGACTTTAAGAAAACC 122
   ::::::::::::::::::::|
Db 269 MetCysSerLeuArgSerAlaIleThrAspValIleThrAspSerAlaAspPheHisHisSer 288
   ::::::::::::::::::::|
QY 123 ACTCCTATG-----ACAACACAGCCACCAATCCACCTTCTCATTTGTCAGATTGGA 176
   ::::::::::::::::::::|
Db 289 PheProMetAsnGlyThrGluLeuProProProThrPheSerLeuValGluAlaGly 308
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QY 177 CAAAGAAATGTGTGTTAGTCTTGTGACAAATCTGGAAGCATG 218
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RESULT 15
US-09-643-597-169
; Sequence 169, Application US/09643597
; Patent No. 6426072
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy R.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Henderson, Robert A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.455C11
; CURRENT APPLICATION NUMBER: US/09/643,597
; CURRENT FILING DATE: 2000-08-21
; NUMBER OF SEQ ID NOS: 369
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 169
; LENGTH: 592
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-643-597-169

Alignment Scores:
Pred. No.: 4,79e-22 Length: 592
Score: 229.00 Matches: 43
Percent Similarity: 70.27% Conservative: 9
Best Local Similarity: 58.11% Mismatches: 20
Query Match: 58.27% Indels: 2
DB: 4 Gaps: 1

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Db 249 ValValGluPheCysAsnAlaSerThrHisAsnGlnGluAlaProAsnLeuGlnAsnGln 268
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QY 63 AAATGCAATCTCCGAAGCATGGGAGTGATCCGGTATTCTGAGGACTTTAAGAAAACC 122
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Db 269 MetCysSerLeuArgSerAlaIleThrAspValIleThrAspSerAlaAspPheHisHisSer 288
   ::::::::::::::::::::|
QY 123 ACTCCTATG-----ACAACACAGCCACCAATCCACCTTCTCATTTGTCAGATTGGA 176
   ::::::::::::::::::::|
Db 289 PheProMetAsnGlyThrGluLeuProProProThrPheSerLeuValGluAlaGly 308
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QY 177 CAAAGAAATGTGTGTTAGTCTTGTGACAAATCTGGAAGCATG 218
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Db 309 AspLysValValCysLeuValLeuAspValSerSerLysMet 322

Search completed: April 21, 2004, 16:21:58
Job time : 13.2265 secs

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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: April 24, 2004, 04:05:52 ; Search time 96.8639 Seconds
(without alignments)

8424.829 Million cell updates/sec

Title: US-09-049-696-4

Perfect score: 181

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Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 2907579 seqs, 2254313464 residues

Total number of hits satisfying chosen parameters: 5815158

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database : Published Applications NA.*

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- 13: /cgn2_6/prodata/2/pubpna/US09_NEW_PUB.seq.*
- 14: /cgn2_6/prodata/2/pubpna/US10A_PUBCOMB.seq.*
- 15: /cgn2_6/prodata/2/pubpna/US10B_PUBCOMB.seq.*
- 16: /cgn2_6/prodata/2/pubpna/US10C_PUBCOMB.seq.*
- 17: /cgn2_6/prodata/2/pubpna/US10_NEW_PUB.seq.*
- 18: /cgn2_6/prodata/2/pubpna/US60_NEW_PUB.seq.*
- 19: /cgn2_6/prodata/2/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	181	100.0	3111	9	US-09-823-356-25
3	181	100.0	3111	9	US-09-981-353-191
4	181	100.0	3111	15	US-10-235-994-25
5	181	100.0	3267	9	US-09-764-868-22
6	181	100.0	4569	13	US-09-867-034-3
7	181	100.0	4569	13	US-10-276-115-3
8	180.6	99.8	2745	15	US-10-270-595-5
9	180.6	99.8	3109	15	US-10-106-698-2111
10	179.4	99.1	2867	15	US-10-106-698-351
11	179.4	99.1	3007	15	US-10-055-412B-27
12	179.4	99.1	3311	9	US-09-922-217-1056
13	179.4	99.1	3311	9	US-09-833-263-1056
14	179.4	99.1	3311	14	US-10-025-380-1056

15	179.4	99.1	3311	15	US-10-393-590-11	Sequence 11, Appl
16	179.4	99.1	3311	15	US-10-393-590-12	Sequence 12, Appl
17	179.4	99.1	3311	15	US-10-393-590-46	Sequence 46, Appl
18	179.4	99.1	3311	15	US-10-393-590-47	Sequence 47, Appl
19	179.4	99.1	3311	15	US-10-393-567-11	Sequence 11, Appl
20	179.4	99.1	3311	15	US-10-393-567-12	Sequence 12, Appl
21	179.4	99.1	3311	15	US-10-393-567-46	Sequence 46, Appl
22	179.4	99.1	3311	15	US-10-393-567-47	Sequence 47, Appl
23	179.4	99.1	3311	15	US-10-394-087-11	Sequence 11, Appl
24	179.4	99.1	3311	15	US-10-394-087-12	Sequence 12, Appl
25	179.4	99.1	3311	15	US-10-394-087-46	Sequence 46, Appl
26	179.4	99.1	3311	15	US-10-394-087-47	Sequence 47, Appl
27	128.4	70.9	171	15	US-10-066-543-2189	Sequence 2189, Ap
28	94.8	52.4	2931	15	US-10-270-595-1	Sequence 1, Appl
29	80.8	44.6	2754	15	US-10-345-680-33	Sequence 33, Appl
30	80.8	44.6	3043	14	US-10-025-167-16	Sequence 16, Appl
31	80.8	44.6	3169	9	US-09-981-353-53	Sequence 53, Appl
32	80.8	44.6	3169	15	US-10-235-994-15	Sequence 15, Appl
33	80.8	44.6	3181	14	US-10-025-167-18	Sequence 18, Appl
34	80.8	44.6	3195	10	US-09-867-034-22	Sequence 22, Appl
35	80.8	44.6	3195	13	US-10-276-115-22	Sequence 22, Appl
36	80.8	44.6	3196	15	US-10-158-646-39	Sequence 39, Appl
37	80.8	44.6	3199	13	US-10-276-774-993	Sequence 993, App
38	80.8	44.6	3204	15	US-10-345-680-31	Sequence 31, Appl
39	80.8	44.6	3207	15	US-10-101-510-660	Sequence 660, App
40	80.8	44.6	3218	16	US-10-087-080-33	Sequence 33, Appl
41	80.8	44.6	3265	9	US-09-989-723-378	Sequence 378, App
42	80.8	44.6	3265	9	US-09-989-723-378	Sequence 378, App
43	80.8	44.6	3265	9	US-09-989-279-378	Sequence 378, App
44	80.8	44.6	3265	9	US-09-989-727-378	Sequence 378, App
45	80.8	44.6	3265	9	US-09-989-731-378	Sequence 378, App

ALIGNMENTS

RESULT 1

US-10-106-698-1971

; Sequence 1971, Application US/10106698

; Publication No. US20030109690A1

; GENERAL INFORMATION:

; APPLICANT: Ruben et al.

; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptides

; FILE REFERENCE: PA005P1

; CURRENT APPLICATION NUMBER: US/10/106,698

; CURRENT FILING DATE: 2002-03-27

; PRIOR APPLICATION NUMBER: PCT/US00/26524

; PRIOR FILING DATE: 2000-09-28

; PRIOR APPLICATION NUMBER: US 60/157,137

; PRIOR FILING DATE: 1999-09-29

; PRIOR APPLICATION NUMBER: US 60/163,280

; PRIOR FILING DATE: 1999-11-03

; NUMBER OF SEQ ID NOS: 8564

; SOFTWARE: Patent in Ver. 3.0

; SEQ ID NO 1971

; LENGTH: 2854

; TYPE: DNA

; ORGANISM: Homo sapiens

US-10-106-698-1971

Query Match 100.0%; Score 181; DB 15; Length 2854;

Best Local Similarity 100.0%; Pred. No. 3.9e-42;

Matches 181; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CAAAAGATGCACATTCATAAAAGTACAGGACTCTATGAAAAAGGATGTGAGTTTCT 60

655 CAAAAGATGCACATTCATAAAAGTACAGGACTCTATGAAAAAGGATGTGAGTTTCT 714

QY 61 CCAATCCCGCAGCGGAGGAGCTTCTATATGTTTGACACATGTTGATTCATAGT 120

715 CCAATCCCGCAGCGGAGGAGGCTTCTATAATGTTTGACACATGTTGATTCATAGT 774

QY 121 TGAATTCTGTACAGAACCAAAACCAACAAAGAGCTCCAAACAAAGCAAAATCAAAAATG 180

Db 775 TGAATTCCTGACAGCAAAACCAACAAAGAGCTCCAAACAGCAAAATCAAAAATG 834
QY 181 C 181
Db 835 C 835

RESULT 2

US-09-823-356-25
; Sequence 25, Application US/09823356
; Patent No. US20010025098A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Bandman, Olga
; APPLICANT: Lal, Preeti
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Yue, Henry
; APPLICANT: Corley, Neil C.
; APPLICANT: Guegler, Karl J.
; APPLICANT: Kaser, Matthew R.
; APPLICANT: Baughn, Mariah R.
; APPLICANT: Shah, Purvi
; TITLE OF INVENTION: HUMAN MEMBRANE SPANNING PROTEINS
; FILE REFERENCE: PF-0489-1 CON
; CURRENT APPLICATION NUMBER: US/09/823,356
; CURRENT FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/039,307
; PRIOR FILING DATE: 1998 March 13
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PERL Program
; SEQ ID NO 25
; LENGTH: 3111
; TYPE: DNA
; ORGANISM: Homo sapiens
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20010025098A1 1737775
US-09-823-356-25

Query Match 100.0%; Score 181; DB 9; Length 3111;
Best Local Similarity 100.0%; Pred. No. 4.1e-42;
Matches 181; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CAAAAGATGCACATTCATTAAGTAACAGGACTCTATGAAAAGGATGTGAGTTGTTCT 60
Db 654 CAAAAGATGCACATTCATTAAGTAACAGGACTCTATGAAAAGGATGTGAGTTGTTCT 713

QY 61 CCAATCCCGCAGACGGAGAGGCTTCTATATGTTTGCACACATGTTGATTCATAGT 120
Db 714 CCAATCCCGCAGACGGAGAGGCTTCTATATGTTTGCACACATGTTGATTCATAGT 773

QY 121 TGAATTCGTACAGCAAAACCAACAAAGAGCTCCAAACAGCAAAATCAAAAATG 180
Db 774 TGAATTCGTACAGCAAAACCAACAAAGAGCTCCAAACAGCAAAATCAAAAATG 833

QY 181 C 181
Db 834 C 834

RESULT 4

US-10-235-994-25
; Sequence 25, Application US/10235994
; Publication No. US20030101002A1
; GENERAL INFORMATION:
; APPLICANT: Bartha, Gabor
; APPLICANT: Walker, Michael
; APPLICANT: Walker, Michael
; TITLE OF INVENTION: METHODS FOR ANALYZING GENE EXPRESSION PATTERNS
; FILE REFERENCE: ICYPO12
; CURRENT APPLICATION NUMBER: US/10/235,994
; CURRENT FILING DATE: 2002-09-04
; PRIOR APPLICATION NUMBER: US/10/003,608
; PRIOR FILING DATE: 2001-11-01
; PRIOR APPLICATION NUMBER: 60/245,081
; PRIOR FILING DATE: 2000-11-01
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 25
; LENGTH: 3111
; TYPE: DNA
; ORGANISM: Human
US-10-235-994-25

Query Match 100.0%; Score 181; DB 15; Length 3111;
Best Local Similarity 100.0%; Pred. No. 4.1e-42;
Matches 181; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CAAAAGATGCACATTCATTAAGTAACAGGACTCTATGAAAAGGATGTGAGTTGTTCT 60
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QY 61 CCAATCCCGCAGACGGAGAGGCTTCTATATGTTTGCACACATGTTGATTCATAGT 120
Db 714 CCAATCCCGCAGACGGAGAGGCTTCTATATGTTTGCACACATGTTGATTCATAGT 773

QY 121 TGAATTCGTACAGCAAAACCAACAAAGAGCTCCAAACAGCAAAATCAAAAATG 180
Db 774 TGAATTCGTACAGCAAAACCAACAAAGAGCTCCAAACAGCAAAATCAAAAATG 833

QY 181 C 181
Db 834 C 834

RESULT 3

US-09-981-353-191
; Sequence 191, Application US/09981353
; Patent No. US20020160382A1
; GENERAL INFORMATION:
; APPLICANT: Lasek, Amy W.
; APPLICANT: Jones, David A.
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0038 US
; CURRENT APPLICATION NUMBER: US/09/981,353
; CURRENT FILING DATE: 2001-10-11
; NUMBER OF SEQ ID NOS: 194

Query Match 100.0%; Score 181; DB 9; Length 3111;
Best Local Similarity 100.0%; Pred. No. 4.1e-42;
Matches 181; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CAAAAGATGCACATTCATTAAGTAACAGGACTCTATGAAAAGGATGTGAGTTGTTCT 60
Db 654 CAAAAGATGCACATTCATTAAGTAACAGGACTCTATGAAAAGGATGTGAGTTGTTCT 713

QY 61 CCAATCCCGCAGACGGAGAGGCTTCTATATGTTTGCACACATGTTGATTCATAGT 120
Db 714 CCAATCCCGCAGACGGAGAGGCTTCTATATGTTTGCACACATGTTGATTCATAGT 773

QY 121 TGAATTCGTACAGCAAAACCAACAAAGAGCTCCAAACAGCAAAATCAAAAATG 180
Db 774 TGAATTCGTACAGCAAAACCAACAAAGAGCTCCAAACAGCAAAATCAAAAATG 833

QY 181 C 181
Db 834 C 834

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RESULT 5
US-09-764-868-22
; Sequence 22, Application US/09764868
; Patent No. US20020168711A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PT232
; CURRENT APPLICATION NUMBER: US/09/764,868
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 1510
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 22
; LENGTH: 3267
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-868-22

Query Match      100.0%; Score 181; DB 9; Length 3267;
Best Local Similarity 100.0%; Pred. No. 4.1e-42;
Matches 181; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 61 CCAATCCCGCCAGACGAGAGGCTTCTATATGTTTGCACACATGTTGATTTCTTCTAGT 120
DB 715 CCAATCCCGCCAGACGAGAGGCTTCTATATGTTTGCACACATGTTGATTTCTTCTAGT 774

QY 121 TGAATTTCTGTACAGAACAAACCAACAAAGAGCTCCAAACAGCAAAATCAAAAATG 180
DB 775 TGAATTTCTGTACAGAACAAACCAACAAAGAGCTCCAAACAGCAAAATCAAAAATG 834

QY 181 C 181
DB 835 C 835

RESULT 6
US-09-867-034-3
; Sequence 3, Application US/09867034
; Publication No. US20030180817A1
; GENERAL INFORMATION:
; APPLICANT: Macina, Roberto A
; APPLICANT: Chen, Sei-Yu
; APPLICANT: Pluta, Jason
; APPLICANT: Sun, Yongming
; APPLICANT: Recipon, Herve
; TITLE OF INVENTION: Method of Diagnosing, Monitoring, Staging, Imaging and
; FILE REFERENCE: DEX-0207
; CURRENT APPLICATION NUMBER: US/09/867,034
; CURRENT FILING DATE: 2001-05-29
; PRIOR APPLICATION NUMBER: 60/207,383
; PRIOR FILING DATE: 2000-05-26
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 4569
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-867-034-3

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Best Local Similarity 100.0%; Pred. No. 4.7e-42;
Matches 181; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 61 CCAATCCCGCCAGACGAGAGGCTTCTATATGTTTGCACACATGTTGATTTCTTCTAGT 120
DB 2409 CCAATCCCGCCAGACGAGAGGCTTCTATATGTTTGCACACATGTTGATTTCTTCTAGT 2468

QY 121 TGAATTTCTGTACAGAACAAACCAACAAAGAGCTCCAAACAGCAAAATCAAAAATG 180
DB 2469 TGAATTTCTGTACAGAACAAACCAACAAAGAGCTCCAAACAGCAAAATCAAAAATG 2528

QY 181 C 181
DB 2529 C 2529

RESULT 7
US-10-276-115-3
; Sequence 3, Application US/10276115
; Publication No. US20030211039A1
; GENERAL INFORMATION:
; APPLICANT: Macina, Roberto A
; APPLICANT: Chen, Sei-Yu
; APPLICANT: Pluta, Jason
; APPLICANT: Sun, Yongming
; APPLICANT: Recipon, Herve
; APPLICANT: diadexus, Inc.
; TITLE OF INVENTION: Method of Diagnosing, Monitoring, Staging, Imaging and
; FILE REFERENCE: DEX-0208
; CURRENT APPLICATION NUMBER: US/10/276,115
; CURRENT FILING DATE: 2002-11-12
; PRIOR APPLICATION NUMBER: 60/207,383
; PRIOR FILING DATE: 2000-05-26
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 4569
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-276-115-3

Query Match      100.0%; Score 181; DB 13; Length 4569;
Best Local Similarity 100.0%; Pred. No. 4.7e-42;
Matches 181; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CAAAGATGCACATTCAATAAGTAACAGAGCTCTATATGTTTGCACACATGTTGATTTCTTCT 60
DB 2349 CAAAGATGCACATTCAATAAGTAACAGAGCTCTATATGTTTGCACACATGTTGATTTCTTCT 2408

QY 61 CCAATCCCGCCAGACGAGAGGCTTCTATATGTTTGCACACATGTTGATTTCTTCTAGT 120
DB 2409 CCAATCCCGCCAGACGAGAGGCTTCTATATGTTTGCACACATGTTGATTTCTTCTAGT 2468

QY 121 TGAATTTCTGTACAGAACAAACCAACAAAGAGCTCCAAACAGCAAAATCAAAAATG 180
DB 2469 TGAATTTCTGTACAGAACAAACCAACAAAGAGCTCCAAACAGCAAAATCAAAAATG 2528

QY 181 C 181
DB 2529 C 2529

RESULT 8
US-10-270-595-5
; Sequence 5, Application US/10270595
; Publication No. US20030078409A1
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/10/270,595
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; CURRENT FILING DATE: 2002-10-16
; PRIOR APPLICATION NUMBER: US/09/623,624
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,472
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; PRIOR FILING DATE: 1996-08-23
; Remaining prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 2745
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(2742)
US-10-270-595-5

Query Match          99.8%; Score 180.6; DB 15; Length 2745;
Best Local Similarity 99.4%; Pred.No.5e-42; Indels 0; Gaps 0;
Matches 180; Conservative 1; Mismatches 0;

QY      1  CAAAAGATGCACATTCAATTAAGTAACAGGACTCTATGAAAAAGCATGTGAGTTTGTCT 60
DB      621 CAAAAGATGCACATTCAATTAAGTACAGGACTCTATGAAAAAGCATGTGAGTTTGTCT 680

QY      61  CCAATCCCGCCAGACGGAGAGGCTTCTATTAATGTTTGCAACAACATGTTCTATAGT 120
DB      681 CCAATCCCGCCAGACGGAGAGGCTTCTATTAATGTTTGCAACAACATGTTCTATAGT 740

QY      121 TGAATTCGTACAGAACAAAACCAACAAGAGAGCTCCAAACAGCAAAATCAAAATG 180
DB      741 TGAATTCGTACAGAACAAAACCAACAAGAGAGCTCCAAACAGCAAAATCAAAATG 800

QY      181 C 181
DB      801 C 801

RESULT 9
US-10-106-698-2111
; Sequence 2111, Application US/10106698
; Publication No. US2003010960A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Pol
; FILE REFERENCE: PA005P1
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; NUMBER OF SEQ ID NOS: 1999-11-03
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 2111

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; Sequence 27, Application US/10055412B
; Publication No. US20030059861A1
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; FILE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0058
; CURRENT APPLICATION NUMBER: US/10/055,412B
; PRIOR FILING DATE: 2001-10-29
; PRIOR APPLICATION NUMBER: US/09/193,562
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 27
; LENGTH: 3007
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-055-412B-27

Query Match      99.1%; Score 179.4; DB 15; Length 3007;
Best Local Similarity 99.4%; Pred. No. 1.2e-41;
Matches 180; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 CAAAAGATGCACATTCATTAAGTAACAGGACTCTATGAAAAAGGATGTGAGTTGTTCT 60
Db 667 CAAAAGATGCACATTCATTAAGTAACAGGACTCTATGAAAAAGGATGTGAGTTGTTCT 726

QY 61 CCAATCCCGCCAGACGAGAGGCTTCTATATGTTTGCACAACTGTTGATTTCTATAGT 120
Db 727 CCAATCCCGCCAGACGAGAGGCTTCTATATGTTTGCACAACTGTTGATTTCTATAGT 786

QY 121 TGAATTTCTGTACAGAACAAAAACCAACAAAGAGCTCCAAACAAAGCAAAAAATG 180
Db 787 TGAATTTCTGTACAGAACAAAAACCAACAAAGAGCTCCAAACAAAGCAAAAAATG 846

QY 181 C 181
Db 847 C 847

RESULT 12
US-09-922-217-1056
; Sequence 1056, Application US/09922217
; Patent No. US2002007641A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather
; APPLICANT: Benson, Darin R.
; APPLICANT: Meagher, Madeleine Joy
; APPLICANT: Stolk, John A.
; APPLICANT: Wang, Tongtong
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Smith, Carole Lynn
; APPLICANT: King, Gordon E.
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; FILE REFERENCE: 210121.471C13
; CURRENT APPLICATION NUMBER: US/09/922,217
; CURRENT FILING DATE: 2001-08-03
; NUMBER OF SEQ ID NOS: 1124
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1056
; LENGTH: 3311
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-922-217-1056

Query Match      99.1%; Score 179.4; DB 9; Length 3311;
Best Local Similarity 99.4%; Pred. No. 1.2e-41;
Matches 180; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 CAAAAGATGCACATTCATTAAGTAACAGGACTCTATGAAAAAGGATGTGAGTTGTTCT 60
Db 972 CAAAAGATGCACATTCATTAAGTAACAGGACTCTATGAAAAAGGATGTGAGTTGTTCT 1031

QY 61 CCAATCCCGCCAGACGAGAGGCTTCTATATGTTTGCACAACTGTTGATTTCTATAGT 120
Db 1032 CCAATCCCGCCAGACGAGAGGCTTCTATATGTTTGCACAACTGTTGATTTCTATAGT 1091

QY 121 TGAATTTCTGTACAGAACAAAAACCAACAAAGAGCTCCAAACAAAGCAAAAAATG 180
Db 1092 TGAATTTCTGTACAGAACAAAAACCAACAAAGAGCTCCAAACAAAGCAAAAAATG 1151

QY 181 C 181
Db 1152 C 1152

RESULT 13
US-09-833-263-1056
; Sequence 1056, Application US/09833263
; Patent No. US20020110547A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; APPLICANT: Stolk, John A.
; APPLICANT: Meagher, Madeleine J.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND
; FILE REFERENCE: 210121.471C12
; CURRENT APPLICATION NUMBER: US/09/833,263
; CURRENT FILING DATE: 2001-04-10
; NUMBER OF SEQ ID NOS: 1093
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1056
; LENGTH: 3311
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-833-263-1056

Query Match      99.1%; Score 179.4; DB 9; Length 3311;
Best Local Similarity 99.4%; Pred. No. 1.2e-41;
Matches 180; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 CAAAAGATGCACATTCATTAAGTAACAGGACTCTATGAAAAAGGATGTGAGTTGTTCT 60
Db 972 CAAAAGATGCACATTCATTAAGTAACAGGACTCTATGAAAAAGGATGTGAGTTGTTCT 1031

QY 61 CCAATCCCGCCAGACGAGAGGCTTCTATATGTTTGCACAACTGTTGATTTCTATAGT 120
Db 1032 CCAATCCCGCCAGACGAGAGGCTTCTATATGTTTGCACAACTGTTGATTTCTATAGT 1091

QY 121 TGAATTTCTGTACAGAACAAAAACCAACAAAGAGCTCCAAACAAAGCAAAAAATG 180
Db 1092 TGAATTTCTGTACAGAACAAAAACCAACAAAGAGCTCCAAACAAAGCAAAAAATG 1151

QY 181 C 181
Db 1152 C 1152

RESULT 14
US-10-025-380-1056
; Sequence 1056, Application US/10025380
; Publication No. US20020182191A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather
; APPLICANT: Benson, Darin R.
; APPLICANT: Meagher, Madeleine Joy
; APPLICANT: Stolk, John A.
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Matches 180; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 CAAAAGATGCACATTCATTAAGTAACAGGACTCTATGAAAAAGGATGTGAGTTGTTCT 60
Db 972 CAAAAGATGCACATTCATTAAGTAACAGGACTCTATGAAAAAGGATGTGAGTTGTTCT 1031

QY 61 CCAATCCCGCCAGACGAGAGGCTTCTATATGTTTGCACAACTGTTGATTTCTATAGT 120
Db 1032 CCAATCCCGCCAGACGAGAGGCTTCTATATGTTTGCACAACTGTTGATTTCTATAGT 1091

QY 121 TGAATTTCTGTACAGAACAAAAACCAACAAAGAGCTCCAAACAAAGCAAAAAATG 180
Db 1092 TGAATTTCTGTACAGAACAAAAACCAACAAAGAGCTCCAAACAAAGCAAAAAATG 1151

QY 181 C 181
Db 1152 C 1152

RESULT 13
US-09-833-263-1056
; Sequence 1056, Application US/09833263
; Patent No. US20020110547A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; APPLICANT: Stolk, John A.
; APPLICANT: Meagher, Madeleine J.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND
; FILE REFERENCE: 210121.471C12
; CURRENT APPLICATION NUMBER: US/09/833,263
; CURRENT FILING DATE: 2001-04-10
; NUMBER OF SEQ ID NOS: 1093
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1056
; LENGTH: 3311
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-833-263-1056

Query Match      99.1%; Score 179.4; DB 9; Length 3311;
Best Local Similarity 99.4%; Pred. No. 1.2e-41;
Matches 180; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 CAAAAGATGCACATTCATTAAGTAACAGGACTCTATGAAAAAGGATGTGAGTTGTTCT 60
Db 972 CAAAAGATGCACATTCATTAAGTAACAGGACTCTATGAAAAAGGATGTGAGTTGTTCT 1031

QY 61 CCAATCCCGCCAGACGAGAGGCTTCTATATGTTTGCACAACTGTTGATTTCTATAGT 120
Db 1032 CCAATCCCGCCAGACGAGAGGCTTCTATATGTTTGCACAACTGTTGATTTCTATAGT 1091

QY 121 TGAATTTCTGTACAGAACAAAAACCAACAAAGAGCTCCAAACAAAGCAAAAAATG 180
Db 1092 TGAATTTCTGTACAGAACAAAAACCAACAAAGAGCTCCAAACAAAGCAAAAAATG 1151

QY 181 C 181
Db 1152 C 1152

RESULT 14
US-10-025-380-1056
; Sequence 1056, Application US/10025380
; Publication No. US20020182191A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather
; APPLICANT: Benson, Darin R.
; APPLICANT: Meagher, Madeleine Joy
; APPLICANT: Stolk, John A.
```

; APPLICANT: Wang, Tongtong
 ; APPLICANT: Jiang, Yugu
 ; APPLICANT: Smith, Carole L.
 ; APPLICANT: King, Gordon E.
 ; APPLICANT: Wang, Aijun
 ; APPLICANT: Clapper, Jonathan D.
 ; APPLICANT: Skeiky, Yasir A. W.
 ; APPLICANT: Fanger, Gary R.
 ; APPLICANT: Vedvick Thomas S.
 ; APPLICANT: Carter, Darrick
 ; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
 ; FILE REFERENCE: 210121.471C14
 ; CURRENT APPLICATION NUMBER: US/10/025,380
 ; CURRENT FILING DATE: 2001-12-19
 ; NUMBER OF SEQ ID NOS: 1129
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 1056
 ; LENGTH: 3311
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-10-025-380-1056

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 Job time : 96.8639 secs

Query Match 99.1%; Score 179.4; DB 14; Length 3311;
 Best Local Similarity 99.4%; Pred. No. 1.2e-41;
 Matches 180; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY	1	CAAAAGATGCACATTCATTAAGTAACAGGACTCTATGAAAAGGATGTGAGTTGTTCT	60
DB	972	CAAAAGATGCACATTCATTAAGTAACAGGACTCTATGAAAAGGATGTGAGTTGTTCT	1031
QY	61	CCAAATCCCGCCAGACGAGAGGCTTCTATAATGTTTGCACAAACATGTTGATTTCTATAGT	120
DB	1032	CCAAATCCCGCCAGACGAGAGGCTTCTATAATGTTTGCACAAACATGTTGATTTCTATAGT	1091
QY	121	TGAATTTCTGTACAGAACAAACCAACAAAGAGCTCCAAAACAGCAAAATCAAAAATG	180
DB	1092	TGAATTTCTGTACAGAACAAACCAACAAAGAGCTCCAAAACAGCAAAATCAAAAATG	1151
QY	181	C 181	
DB	1152	C 1152	

RESULT 15
 US-10-393-590-11
 ; Sequence 11, Application US/10393590
 ; Publication No. US20030190656A1
 ; GENERAL INFORMATION:
 ; APPLICANT: WANG, YIXIN
 ; TITLE OF INVENTION: BREAST CANCER PROGNASTIC PORTFOLIO
 ; FILE REFERENCE: CDS 268 US NP
 ; CURRENT APPLICATION NUMBER: US/10/393,590
 ; CURRENT FILING DATE: 2003-03-21
 ; PRIOR APPLICATION NUMBER: 60/368,789
 ; PRIOR FILING DATE: 2002-03-29
 ; NUMBER OF SEQ ID NOS: 100
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 11
 ; LENGTH: 3311
 ; TYPE: DNA
 ; ORGANISM: human
 US-10-393-590-11

Query Match 99.1%; Score 179.4; DB 15; Length 3311;
 Best Local Similarity 99.4%; Pred. No. 1.2e-41;
 Matches 180; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY	1	CAAAAGATGCACATTCATTAAGTAACAGGACTCTATGAAAAGGATGTGAGTTGTTCT	60
DB	972	CAAAAGATGCACATTCATTAAGTAACAGGACTCTATGAAAAGGATGTGAGTTGTTCT	1031
QY	61	CCAAATCCCGCCAGACGAGAGGCTTCTATAATGTTTGCACAAACATGTTGATTTCTATAGT	120

DB	1032	CCAATCCCGCCAGACGAGAGGCTTCTATAATGTTTGCACAAACATGTTGATTTCTATAGT	1091
QY	121	TGAATTTCTGTACAGAACAAACCAACAAAGAGCTCCAAAACAGCAAAATCAAAAATG	180
DB	1092	TGAATTTCTGTACAGAACAAACCAACAAAGAGCTCCAAAACAGCAAAATCAAAAATG	1151
QY	181	C 181	
DB	1152	C 1152	

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Perfect score: 181
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Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

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Maximum Match 100%
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	180.6	99.8	2745	4	US-09-623-624-5
2	179.4	99.1	3007	4	US-09-193-562D-27
3	94.8	52.4	2931	4	US-09-623-624-1
4	80.8	44.6	3043	4	US-09-049-698-16
5	80.8	44.6	3181	4	US-09-049-698-18
6	74.2	41.0	3317	4	US-09-193-562D-1
7	72.8	40.2	3418	4	US-09-193-562D-29
8	66.4	36.7	3022	4	US-09-193-562D-33
9	58.8	32.5	2773	4	US-09-643-597-358
10	58.8	32.5	2784	4	US-09-643-597-168
11	58.8	32.5	2784	4	US-09-480-884A-168
12	58.8	32.5	2784	4	US-09-542-615A-168
13	58.8	32.5	2784	4	US-09-606-421B-168
14	58.8	32.5	2970	4	US-09-193-562D-31
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16	58.8	32.5	3362	4	US-09-480-884A-167
17	58.8	32.5	3362	4	US-09-542-615A-167
18	58.8	32.5	3362	4	US-09-606-421B-167
19	58.8	32.5	3951	4	US-09-643-597-160
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21	58.8	32.5	3951	4	US-09-542-615A-160
22	58.8	32.5	3951	4	US-09-606-421B-160
23	58.8	32.5	3951	4	US-09-221-107-160
24	58.8	32.5	8031	4	US-09-643-597-254
25	58.8	32.5	8031	4	US-09-480-884A-254
26	58.8	32.5	8031	4	US-09-542-615A-254
27	58.8	32.5	8031	4	US-09-606-421B-254

28	57.2	31.6	3190	4	US-09-623-624-3	Sequence 3, Appli
29	38	21.0	3156	4	US-09-919-172-86	Sequence 86, Appl
C 30	36.8	20.3	5156	2	US-09-091-432-3	Sequence 3, Appli
C 31	36.8	20.3	5156	4	US-09-387-663-3	Sequence 3, Appli
C 32	36.8	20.3	5156	4	US-09-214-139B-3	Sequence 3, Appli
33	35	19.3	1794	3	US-09-012-515A-13	Sequence 13, Appl
34	35	19.3	1794	3	US-08-360-144A-13	Sequence 13, Appl
35	35	19.3	1794	4	US-09-012-504A-13	Sequence 13, Appl
36	35	19.3	1794	4	US-09-012-399A-13	Sequence 13, Appl
37	35	19.3	1794	5	PCT-US95-06722-13	Sequence 13, Appl
38	32.6	18.0	698	4	US-09-171-209-60	Sequence 60, Appli
39	32.6	18.0	1534	1	US-08-300-903A-6	Sequence 6, Appli
40	32.6	18.0	1534	4	US-08-398-197-6	Sequence 6, Appli
41	32.6	18.0	1230025	4	US-09-198-452A-1	Sequence 1, Appli
42	32.2	17.8	1117	3	US-09-247-373B-33	Sequence 33, Appl
43	32	17.7	231	4	US-09-049-698-3	Sequence 3, Appli
44	32	17.7	619	4	US-09-016-434-931	Sequence 931, App
45	32	17.7	1664976	4	US-08-916-421B-1	Sequence 1, Appli

ALIGNMENTS

RESULT 1
US-09-623-624-5
; Sequence 5, Application US/09623624
; Patent No. 6576434
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/09/623,624
; CURRENT FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,472
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,110
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,168
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/980,872
; PRIOR FILING DATE: 1997-12-01
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 5
; LENGTH: 2745
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(2742)
US-09-623-624-5

Query Match 99.8%; Score 180.6; DB 4; Length 2745;
Best Local Similarity 99.4%; Pred. No. 1.8e-45;
Matches 180; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy	1	CAAAGATGCA	CATTCAAT	TAAGTAAC	AGGACTCT	TATGAAAA	AGGATGT	GAGTTGTCT	60
Db	621	CAAAGATGCA	CATTCAAT	TAAGTWAC	AGGACTCT	TATGAAAA	AGGATGT	GAGTTGTCT	680
Qy	61	CCAAATCC	CGCAGAC	GGAGGCTT	CTAATGTT	TGCAACA	CATGTTG	ATTCTATAGT	120
Db	681	CCAAATCC	CGCAGAC	GGAGGCTT	CTAATGTT	TGCAACA	CATGTTG	ATTCTATAGT	740
Qy	121	TGAATTCT	GTACAGAA	CAAAACCA	CAACAA	AGAGAGCT	CCAAA	CAAGCAAAAT	180
Db	741	TGAATTCT	GTACAGAA	CAAAACCA	CAACAA	AGAGAGCT	CCAAA	CAAGCAAAAT	800
Qy	181	C	181						
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Db	801	C	801						

RESULT 2

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US-09-193-562D-27
; Sequence 27, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193.562D
; CURRENT FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 27
; LENGTH: 3007
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-193-562D-27

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RESULT 3

US-09-623-624-1
; Sequence 1, Application US/09623624
; Patent No. 6576434
; GENERAL INFORMATION:
; APPLICANT: Megalain Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/09/623,624
; CURRENT FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03

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1  PRIOR APPLICATION NUMBER: US 08/697,360
2  PRIOR FILING DATE: 1996-08-23
3  PRIOR APPLICATION NUMBER: US 08/697,419
4  PRIOR FILING DATE: 1996-08-23
5  PRIOR APPLICATION NUMBER: US 08/697,440
6  PRIOR FILING DATE: 1996-08-23
7  PRIOR APPLICATION NUMBER: US 08/697,471
8  PRIOR FILING DATE: 1996-08-23
9  PRIOR APPLICATION NUMBER: US 08/697,471
10 PRIOR FILING DATE: 1996-08-23
11 PRIOR APPLICATION NUMBER: US 08/697,472
12 PRIOR FILING DATE: 1996-08-23
13 PRIOR APPLICATION NUMBER: US 08/697,473
14 PRIOR FILING DATE: 1996-08-23
15 PRIOR APPLICATION NUMBER: US 08/702,105
16 PRIOR FILING DATE: 1996-08-23
17 PRIOR APPLICATION NUMBER: US 08/702,110
18 PRIOR FILING DATE: 1996-08-23
19 PRIOR APPLICATION NUMBER: US 08/702,168
20 PRIOR FILING DATE: 1996-08-23
21 PRIOR APPLICATION NUMBER: US 08/980,872
22 PRIOR FILING DATE: 1997-12-01
23 NUMBER OF SEQ ID NOS: 18
24 SOFTWARE: PatentIn Ver. 2.0
25 SEQ ID NO 1
26 LENGTH: 2931
27 TYPE: DNA
28 ORGANISM: Mus musculus
29 FEATURES:
30 NAME/KEY: CDS
31 LOCATION: (8)..(2746)
32 US-09-623-624-1

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RESULT 4

RESUL 4
US-09-049-698-16
; Sequence 16, Application US/09049698
; Patent No. 6368792
; GENERAL INFORMATION:
; APPLICANT: BILLING-MEDEL, PATRICIA A.
; APPLICANT: COHEN, MAURICE
; APPLICANT: COPIITS, TRACEY L.
; APPLICANT: FRIEDMAN, PAULA N.
; APPLICANT: HAYDEN, MARK
; APPLICANT: KLAAS, MICHAEL R.
; APPLICANT: ROBERTS-RAPP, LISA
; APPLICANT: RUSSELL, JOHN C.
; APPLICANT: STROUPE, STEPHEN D.
; TITLE OF INVENTION: REAGENTS AND METHODS
; TITLE OF INVENTION: USEFUL FOR DETECTING
; TITLE OF INVENTION: TRACT
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Abbott Laboratories
; STREET: 100 Abbott Park Road
; CITY: Abbott Park
; STATE: IL

7 ATGCACATTCAATAAAGTAAACAGGACTCTATGAAAAGGATGTGAGTTGTCTTCTCCAATC 66

Db 692 ATGCAGAGCTGACTCACAGACAGGGCTGTATGAAGCAAAATGTACATTCCTTCCCAAAA 751
QY 67 CGCCAGAGCGGAGAGGCTTCTATATGTTTGCACACATGTTGATCTCTATAGTTGAATT 126
Db 752 ATCCAGAGCTGCAAGGAATCCATTATGTTTATGCCAGTCTCCATCTCTGACTGAATT 811
QY 127 CTGTACAGAAACCAACCAACAAAGAGCTCCAAACAGCAAAATCAAAAATGC 181
Db 812 TTGTACAGAAAACACACACATACAGAGCTCCAAACCTCAAAACAAATGTGC 866

RESULT 7

US-09-193-562D-29
; Sequence 29, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; FILE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; CURRENT FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 29
; LENGTH: 3418
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-193-562D-29

Query Match 40.2%; Score 72.8; DB 4; Length 3418;
Best Local Similarity 66.7%; Pred. No. 9.1e-13;
Matches 104; Conservative 0; Mismatches 52; Indels 0; Gaps 0;
QY 26 ACAGGACTCTATGAAAGAGTGTGAGTTGTTCTCCATCCGCGACAGGAGGCT 85
Db 664 ACAGGCTGTATGAGCAAAATGTACATTTATCCCAAGAGATCCAGACTCCCAAGGA 723
QY 86 TCTATAATGTTTGCACACATGTTGATCTCTATAGTTGAATCTGTACAGAAACCAAC 145
Db 724 TCCATTGTTTATGCAAAATCTGATCTGTGACTGAATTTGTACTGAAAAACACAC 783
QY 146 ACAAGAGAGCTCCAAACAGCAAAATCAAAAATGC 181
Db 784 AATAAGAGAGCTCCAAACCTATATACAAAATGTGC 819

RESULT 8

US-09-193-562D-33
; Sequence 33, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; FILE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; CURRENT FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 33
; LENGTH: 3022
; TYPE: DNA
; ORGANISM: Mus musculus
US-09-193-562D-33

Query Match 36.7%; Score 66.4; DB 4; Length 3022;
Best Local Similarity 64.1%; Pred. No. 7.6e-11;
Matches 100; Conservative 0; Mismatches 56; Indels 0; Gaps 0;
QY 26 ACAGGACTCTATGAAAGAGTGTGAGTTGTTCTCCATCCGCGACAGGAGGCT 85

Db 663 ACAGGCTGTATGAACCCAAATGTACATTTATCCAGACAAATACAGACAGCTGGGGCC 722
QY 86 TCTATAATGTTTGCACACATGTTGATCTCTATAGTTGAATCTGTACAGAAACCAAC 145
Db 723 TCCATAATGTTTATGCAAAACCTCAATCTGTGGTTGAATTTTGCAGAAATACCAAC 782
QY 146 AACAAAGAGCTCCAAACAGCAAAATCAAAAATGC 181
Db 783 AATGAGAGAGCCCAACCTACAAAACAAATGTGC 818

RESULT 9

US-09-643-597-358
; Sequence 358, Application US/09643597
; Patent No. 6426072
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy
; APPLICANT: Fanger, Gary R.
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Henderson, Robert A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.455C11
; CURRENT APPLICATION NUMBER: US/09/643,597
; CURRENT FILING DATE: 2000-08-21
; NUMBER OF SEQ ID NOS: 369
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 358
; LENGTH: 2773
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-643-597-358

Query Match 32.5%; Score 58.8; DB 4; Length 2773;
Best Local Similarity 62.0%; Pred. No. 1.5e-08;
Matches 93; Conservative 0; Mismatches 57; Indels 0; Gaps 0;
QY 32 CTCATGAAAAGAGTGTGAGTTGTTCTCCATCCGCGACAGGAGGCTTCTATA 91
Db 595 CTTTTAAAGAGGATGCACCTTTATCTACATAGCACCACCAAAATGCAACTGCATCAATA 654
QY 92 ATGTTTGCACACATGTTGATTTCTATAGTTGAATTTCTGTACAGAAACCAACCAAAA 151
Db 655 ATGTTTCATGCAAGTTTATCTCTGTTGATTTTGTATGCAAGTACCCACCAACCA 714
QY 152 GAAGTCCAAACAGCAAAATCAAAAATGC 181
Db 715 GAAGCACCAACCTACAGAACCAAGATGTGC 744

RESULT 10

US-09-643-597-168
; Sequence 168, Application US/09643597
; Patent No. 6426072
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy
; APPLICANT: Fanger, Gary R.
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Henderson, Robert A.

```
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.455C11
; CURRENT APPLICATION NUMBER: US/09/643,597
; CURRENT FILING DATE: 2000-08-21
; NUMBER OF SEQ ID NOS: 369
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 168
; LENGTH: 2784
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-643-597-168

Query Match      32.5%; Score 58.8; DB 4; Length 2784;
Best Local Similarity 62.0%; Pred. No. 1.5e-08;
Matches 93; Conservative 0; Mismatches 57; Indels 0; Gaps 0;

QY 32 CTCATGAAAAGGATGTCAGTTTGTCTCCAAATCCCGCCAGACGAGGAGGCTTCTATA 91
Db ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 737 CTTTAAAGAGGATGTCACCTTTATCTACAATAGCACCCAAAATGCAACTGCATCAATA 796
Db ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 92 ATGTTTGCAACATCTGTCATTCTATAGTTGAATCTGTACAGAACAAACACACACAA 151
Db ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 797 ATGTTTCATGCAAGTTTATCTCTCTGGTGTGAATTTGTATGCAAGTACCAACCA 856
Db ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 152 GAAGTCTCCAAACAGCAAAATCAAAATGTC 181
Db ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 857 GAAGCACCAACCTACAGAACCCAGATGTC 886
Db ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

RESULT 11
US-09-480-884A-168
; Sequence 168, Application US/09480884A
; Patent No. 6482597
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Hosken, Nancy A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.455C6
; CURRENT APPLICATION NUMBER: US/09/480,884A
; CURRENT FILING DATE: 2001-08-27
; NUMBER OF SEQ ID NOS: 330
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 168
; LENGTH: 2784
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-480-884A-168

Query Match      32.5%; Score 58.8; DB 4; Length 2784;
Best Local Similarity 62.0%; Pred. No. 1.5e-08;
Matches 93; Conservative 0; Mismatches 57; Indels 0; Gaps 0;

QY 32 CTCATGAAAAGGATGTCAGTTTGTCTCCAAATCCCGCCAGACGAGGAGGCTTCTATA 91
Db ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 737 CTTTAAAGAGGATGTCACCTTTATCTACAATAGCACCCAAAATGCAACTGCATCAATA 796
Db ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 92 ATGTTTGCAACATCTGTCATTCTATAGTTGAATCTGTACAGAACAAACACACACAA 151
Db ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 797 ATGTTTCATGCAAGTTTATCTCTCTGGTGTGAATTTGTATGCAAGTACCAACCA 856
Db ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 152 GAAGTCTCCAAACAGCAAAATCAAAATGTC 181
Db ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 857 GAAGCACCAACCTACAGAACCCAGATGTC 886
Db ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

RESULT 12
US-09-542-615A-168
; Sequence 168, Application US/09542615A
; Patent No. 6518256
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy A.
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.455C8
; CURRENT APPLICATION NUMBER: US/09/542,615A
; CURRENT FILING DATE: 2000-04-14
; NUMBER OF SEQ ID NOS: 350
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 168
; LENGTH: 2784
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-542-615A-168

Query Match      32.5%; Score 58.8; DB 4; Length 2784;
Best Local Similarity 62.0%; Pred. No. 1.5e-08;
Matches 93; Conservative 0; Mismatches 57; Indels 0; Gaps 0;

QY 32 CTCATGAAAAGGATGTCAGTTTGTCTCCAAATCCCGCCAGACGAGGAGGCTTCTATA 91
Db ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 737 CTTTAAAGAGGATGTCACCTTTATCTACAATAGCACCCAAAATGCAACTGCATCAATA 796
Db ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 92 ATGTTTGCAACATCTGTCATTCTATAGTTGAATCTGTACAGAACAAACACACACAA 151
Db ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 797 ATGTTTCATGCAAGTTTATCTCTCTGGTGTGAATTTGTATGCAAGTACCAACCA 856
Db ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 152 GAAGTCTCCAAACAGCAAAATCAAAATGTC 181
Db ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 857 GAAGCACCAACCTACAGAACCCAGATGTC 886
Db ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

RESULT 13
US-09-606-421B-168
; Sequence 168, Application US/09606421B
; Patent No. 6531315
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy
; APPLICANT: Fanger, Gary R.
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.455C9
; CURRENT APPLICATION NUMBER: US/09/606,421B
; CURRENT FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 358
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 168
; LENGTH: 2784
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-606-421B-168

Query Match      32.5%; Score 58.8; DB 4; Length 2784;
Best Local Similarity 62.0%; Pred. No. 1.5e-08;
Matches 93; Conservative 0; Mismatches 57; Indels 0; Gaps 0;

QY 32 CTCATGAAAAGGATGTCAGTTTGTCTCCAAATCCCGCCAGACGAGGAGGCTTCTATA 91
Db ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 737 CTTTAAAGAGGATGTCACCTTTATCTACAATAGCACCCAAAATGCAACTGCATCAATA 796
Db ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
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QY 92 ATGTTTGCAACATGTTGATTTCTATAGTTGAATTCGTACAGACAAACCAACACAA 151
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Db 797 AGTTCATGCAAGATTTATCTTCTGTTGATTTGTAATGCAAGTACCCACACACCA 856
|||||
QY 152 GAAGTCTCAACAAAGCAAAATCAAAATGC 181
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Db 857 GAAGCACCACCACTACAGAACCCAGATGTGC 886
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RESULT 14

US-09-193-562D-31
; Sequence 31, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; CURRENT FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 31
; LENGTH: 2970
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-193-562D-31

Query Match 32.5%; Score 58.8; DB 4; Length 2970;
Best Local Similarity 62.0%; Pred. No. 1.5e-08;
Matches 93; Conservative 0; Mismatches 57; Indels 0; Gaps 0;

QY 32 CTCTATGAAAAAGGATGTGAGTTTGTCTTCCAAATCCCGCCAGACGAGAGGCTTCTATA 91
Db 769 CTTTAAAGAGGATGCACCTTTATCTACAATAGCACCAAAATGCAACTGCATCAATA 828
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QY 92 ATGTTTGCAACATGTTGATTTCTATAGTTGAATTCGTACAGACAAACCAACACAA 151
|||||
Db 829 ATGTTTCATGCAAGATTTATCTTCTGTTGATTTTGTAAATTTGTAATGCAAGTACCCACACCA 886
|||||
QY 152 GAAGTCTCAACAAAGCAAAATCAAAATGC 181
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Db 889 GAAGCACCACCACTACAGAACCCAGATGTGC 918
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RESULT 15

US-09-643-597-167
; Sequence 167, Application US/09643597
; Patent No. 6426072
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy
; APPLICANT: Fanger, Gary R.
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Henderson, Robert A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.455C11
; CURRENT APPLICATION NUMBER: US/09/643,597
; CURRENT FILING DATE: 2000-08-21
; NUMBER OF SEQ ID NOS: 369
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 167
; LENGTH: 3362
; TYPE: DNA

; ORGANISM: Homo sapien
US-09-643-597-167

Query Match 32.5%; Score 58.8; DB 4; Length 3362;
Best Local Similarity 62.0%; Pred. No. 1.5e-08;
Matches 93; Conservative 0; Mismatches 57; Indels 0; Gaps 0;

QY 32 CTCTATGAAAAAGGATGTGAGTTTGTCTTCCAAATCCCGCCAGACGAGAGGCTTCTATA 91
Db 713 CTTTAAAGAGGATGCACCTTTATCTACAATAGCACCAAAATGCAACTGCATCAATA 772
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QY 92 ATGTTTGCAACATGTTGATTTCTATAGTTGAATTCGTACAGACAAACCAACACAA 151
|||||
Db 773 ATGTTTCATGCAAGATTTATCTTCTGTTGATTTTGTAAATTTGTAATGCAAGTACCCACACCA 832
|||||
QY 152 GAAGTCTCAACAAAGCAAAATCAAAATGC 181
|||||
Db 833 GAAGCACCACCACTACAGAACCCAGATGTGC 862
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Job time : 17.6376 secs

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OM nucleic - protein search, using frame_plus_n2p model

Run on: April 21, 2004, 16:13:49 ; Search time 26.0587 Seconds
(without alignments)
3840.718 Million cell updates/sec

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Perfect score: 324
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Delop 6.0 , Delext 7.0

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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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-FGAPOP=6 -FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description

1	324	100.0	869	14	US-10-106-698-6388	Sequence 6388, Ap
2	324	100.0	914	9	US-09-823-356-8	Sequence 8, Appli
3	324	100.0	914	9	US-09-922-217-1066	Sequence 1066, Ap
4	324	100.0	914	9	US-09-833-263-1066	Sequence 1066, Ap
5	324	100.0	914	9	US-09-981-353-192	Sequence 192, App
6	324	100.0	914	11	US-09-833-245-2054	Sequence 2054, Ap
7	324	100.0	914	13	US-10-023-380-1066	Sequence 1066, Ap
8	324	100.0	914	14	US-10-055-412B-28	Sequence 28, Appl
9	324	100.0	914	14	US-10-235-994-26	Sequence 26, Appl
10	324	100.0	914	14	US-10-060-255-42	Sequence 42, Appl
11	324	100.0	914	15	US-10-369-214-133	Sequence 133, App
12	324	100.0	925	9	US-09-764-868-635	Sequence 635, App
13	324	100.0	925	14	US-10-106-698-6248	Sequence 6248, Ap
14	319	98.5	914	14	US-10-270-595-6	Sequence 6, Appli
15	210	64.8	913	15	US-10-369-214-132	Sequence 132, App
16	210	64.8	913	15	US-09-981-353-54	Sequence 54, Appl
17	180	55.6	917	13	US-10-025-167-41	Sequence 41, Appl
18	180	55.6	917	14	US-10-235-994-16	Sequence 16, Appl
19	180	55.6	917	14	US-10-345-680-32	Sequence 32, Appl
20	180	55.6	917	15	US-10-369-214-134	Sequence 134, Appl
21	180	55.6	917	15	US-10-087-080-34	Sequence 34, Appl
22	180	55.6	919	9	US-09-989-722-379	Sequence 379, App
23	180	55.6	919	9	US-09-989-723-379	Sequence 379, App
24	180	55.6	919	9	US-09-989-727-379	Sequence 379, App
25	180	55.6	919	9	US-09-989-731-379	Sequence 379, App
26	180	55.6	919	9	US-09-989-732-379	Sequence 379, App
27	180	55.6	919	9	US-09-989-732-379	Sequence 379, App
28	180	55.6	919	9	US-09-989-732-379	Sequence 379, App
29	180	55.6	919	9	US-09-989-732-379	Sequence 379, App
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34	180	55.6	919	9	US-09-989-732-379	Sequence 379, App
35	180	55.6	919	9	US-09-989-732-379	Sequence 379, App
36	180	55.6	919	9	US-09-989-732-379	Sequence 379, App
37	180	55.6	919	9	US-09-989-732-379	Sequence 379, App
38	180	55.6	919	9	US-09-989-732-379	Sequence 379, App
39	180	55.6	919	9	US-09-989-732-379	Sequence 379, App
40	180	55.6	919	9	US-09-989-732-379	Sequence 379, App
41	180	55.6	919	9	US-09-989-732-379	Sequence 379, App
42	180	55.6	919	9	US-09-989-732-379	Sequence 379, App
43	180	55.6	919	10	US-09-989-734-379	Sequence 379, App
44	180	55.6	919	10	US-09-989-734-379	Sequence 379, App
45	180	55.6	919	10	US-09-989-734-379	Sequence 379, App

ALIGNMENTS

RESULT 1
US-10-106-698-6388
; Sequence 6388, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptides
; FILE REFERENCE: PA005P1
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 6388
; LENGTH: 869
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: MISC_FEATURE

; LOCATION: (14)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-10-106-698-6388

Alignment Scores:
Pred. No.: 6.26e-34 Length: 869
Score: 324.00 Matches: 60
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 14 Gaps: 0

US-09-049-696-4 (1-181) x US-10-106-698-6388 (1-869)

QY 2 AAAGATGCACATTCATTAAGTAAGTAACAGACTCTATGAAAGAGTGTGAGTTGTTCTC 61
DB 163 LysArgCysThrPheAsnLysValThrGlyLeuTyGluLysGlyCysGluPheValLeu 182
QY 62 CAATCCCGCAGCAGGAGGCTTCTATAATGTTTGCACACATGTTGATCTATAGTT 121
DB 183 GlnSerArgGlnThrGluLysAlaSerIleMetPheAlaGlnHisValaspSerIleVal 202
QY 122 GAATTCGTACAGAAACCAACCAAGAGCTCCAAACAGCAAAATCAAAAATGC 181
DB 203 GluPheCysThrGluGlnAsnHisAsnLysGluAlaProAsnLysGlnAsnGlnLysCys 222

RESULT 2

US-09-823-356-8
; Sequence 8, Application US/09823356
; Patent No. US2001002509A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Bandman, Olga
; APPLICANT: Lal, Preeti
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Yue, Henry
; APPLICANT: Corley, Neil C.
; APPLICANT: Guegler, Karl J.
; APPLICANT: Kaser, Matthew R.
; APPLICANT: Baughn, Mariah R.
; APPLICANT: Shah, Purvi
; APPLICANT: FILE REFERENCE: PP-0489-1 CON
; TITLE OF INVENTION: HUMAN MEMBRANE SPANNING PROTEINS
; CURRENT APPLICATION NUMBER: US/09/823,356
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/039,307
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PERL Program
; SEQ ID NO 8
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US2001002509A1 1737775
US-09-823-356-8

Alignment Scores:
Pred. No.: 6.31e-34 Length: 914
Score: 324.00 Matches: 60
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 9 Gaps: 0

US-09-049-696-4 (1-181) x US-09-823-356-8 (1-914)

QY 2 AAAGATGCACATTCATTAAGTAAGTAACAGACTCTATGAAAGAGTGTGAGTTGTTCTC 61
DB 208 LysArgCysThrPheAsnLysValThrGlyLeuTyGluLysGlyCysGluPheValLeu 227
QY 62 CAATCCCGCAGCAGGAGGCTTCTATAATGTTTGCACACATGTTGATCTATAGTT 121

DB 228 GlnSerArgGlnThrGluLysAlaSerIleMetPheAlaGlnHisValaspSerIleVal 247
QY 122 GAATTCGTACAGAAACCAACCAAGAGCTCCAAACAGCAAAATCAAAAATGC 181
DB 248 GluPheCysThrGluGlnAsnHisAsnLysGluAlaProAsnLysGlnAsnGlnLysCys 267

RESULT 3

US-09-922-217-1066
; Sequence 1066, Application US/09922217
; Patent No. US20020076414A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather
; APPLICANT: Benson, Darin R.
; APPLICANT: Meagher, Madeleine Joy
; APPLICANT: Stolk, John A.
; APPLICANT: Wang, Tongtong
; APPLICANT: Jiang, Yudi
; APPLICANT: Smith, Carole Lynn
; APPLICANT: King, Gordon B.
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; FILE REFERENCE: 210121.471C13
; CURRENT APPLICATION NUMBER: US/09/922,217
; CURRENT FILING DATE: 2001-08-03
; NUMBER OF SEQ ID NOS: 1124
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1066
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-922-217-1066

Alignment Scores:
Pred. No.: 6.31e-34 Length: 914
Score: 324.00 Matches: 60
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 9 Gaps: 0

US-09-049-696-4 (1-181) x US-09-922-217-1066 (1-914)

QY 2 AAAGATGCACATTCATTAAGTAAGTAACAGACTCTATGAAAGAGTGTGAGTTGTTCTC 61
DB 208 LysArgCysThrPheAsnLysValThrGlyLeuTyGluLysGlyCysGluPheValLeu 227
QY 62 CAATCCCGCAGCAGGAGGCTTCTATAATGTTTGCACACATGTTGATCTATAGTT 121
DB 228 GlnSerArgGlnThrGluLysAlaSerIleMetPheAlaGlnHisValaspSerIleVal 247
QY 122 GAATTCGTACAGAAACCAACCAAGAGCTCCAAACAGCAAAATCAAAAATGC 181
DB 248 GluPheCysThrGluGlnAsnHisAsnLysGluAlaProAsnLysGlnAsnGlnLysCys 267

RESULT 4

US-09-833-263-1066
; Sequence 1066, Application US/09833263
; Patent No. US20020110547A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; APPLICANT: Stolk, John A.
; APPLICANT: Meagher, Madeleine J.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND
; FILE REFERENCE: 210121.471C12
; CURRENT APPLICATION NUMBER: US/09/833,263
; CURRENT FILING DATE: 2001-04-10

RESULT 6		US-09-833-245-2054	
; Sequence 2054, Application US/09833245			
; Publication No. US20040010134A1			
; GENERAL INFORMATION:			
; APPLICANT: Human Genome Sciences, Inc.			
; TITLE OF INVENTION: Albumin Fusion Proteins			
; FILE REFERENCE: PFS46PCT			
; CURRENT APPLICATION NUMBER: US/09/833,245			
; CURRENT FILING DATE: 2001-04-12			
; PRIOR APPLICATION NUMBER: 60/229, 358			
; PRIOR FILING DATE: 2000-04-12			
; PRIOR APPLICATION NUMBER: 60/256, 931			
; PRIOR FILING DATE: 2000-12-21			
; PRIOR APPLICATION NUMBER: 60/199, 384			
; PRIOR FILING DATE: 2000-04-25			
; NUMBER OF SEQ ID NOS: 2267			
; SOFTWARE: PatentIn Ver. 2.1			
; SEQ ID NO 2054			
; LENGTH: 914			
; TYPE: PRT			
; ORGANISM: Homo sapiens			
US-09-833-245-2054			

Alignment Scores:			
Pred. No.:	6,31e-34	Length:	914
Score:	324.00	Matches:	60
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	100.00%	Indels:	0
DB:	11	Gaps:	0

US-09-049-696-4 (1-181) x US-09-833-245-2054 (1-914)	
QY	2 AAAAGATGCACATTCAATAAAAGTAACAGGACTTCATCAAAAAGGATCTGAGTTTGTTC
Db	208 LysArgCysThrPheAsnLysValThrGlyLeuTyrGluLysGlyCysGluPheValLeu
QY	62 CAATCCCGCAGACGAGGAAGGCTTCATTAATGTTTGCACACATGTTGATTCATAGTT
Db	228 GlnSerArgGlnThrGluLysAlaSerIleMetPheAlaGlnHisValAspSerIleVal
QY	122 GAATTCTCTACAGACAAAACCAACAAGAGAGCTCCAAACAAGCAAAATCAAAAATGC
Db	248 GluPheCysThrGluGlnAsnHisAsnLysGluAlaProAsnLysGlnAsnGlnLysCys

RESULT 7		US-10-025-380-1066	
; Sequence 1066, Application US/10025380			
; Publication No. US2002018219A1			
; GENERAL INFORMATION:			
; APPLICANT: Xu, Jiangchun			
; APPLICANT: Lodes, Michael J.			
; APPLICANT: Secrist, Heather			
; APPLICANT: Benson, Darin R.			
; APPLICANT: Meagher, Madeleine Joy			
; APPLICANT: Stolk, John A.			
; APPLICANT: Wang, Tongtong			
; APPLICANT: Jiang, Yugu			
; APPLICANT: Smith, Carole L.			
; APPLICANT: King, Gordon E.			
; APPLICANT: Wang, Aijun			
; APPLICANT: Clapper, Jonathan D.			
; APPLICANT: Skeiky, Yasir A. W.			
; APPLICANT: Fanger, Gary R.			
; APPLICANT: Vedvick Thomas S.			
; APPLICANT: Carter, Darrick			
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS			
; TITLE OF INVENTION: OF COLON CANCER AND METHODS FOR THEIR USE			
; FILE REFERENCE: 210121.471C14			
; CURRENT APPLICATION NUMBER: US/10/025,380			
; CURRENT FILING DATE: 2001-12-19			

; NUMBER OF SEQ ID NOS: 1129
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1066
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-025-380-1066

Alignment Scores:
Pred. No.: 6,31e-34 Length: 914
Score: 324.00 Matches: 60
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 13 Gaps: 0

US-09-049-696-4 (1-181) x US-10-025-380-1066 (1-914)

QY 2 AAAAGATGCACATTCATTAAGTAACAGGACTCTATGAAAAAGGATGTGAGTTTGTCTC 61

Db 208 LysArgCysThrPheAsnLysValThrGlyLeuTyrglyCysGluPheValLeu 227

QY 62 CAATCCCGCAGAGAGGCTTCTATAATGTTTGCACACATGTTGATTCTATAGTT 121

Db 228 GlnSerArgGlnThrGluLysAlaSerIleMetPheAlaGlnHisValAspSerIleVal 247

QY 122 GAATTCGTGACAGACAAAACACAAAGAGCTCCAAACAGCAAAATCAAAAATGC 181

Db 248 GluPheCysThrGluGlnAsnHisAsnLysGluAlaProAsnLysGlnAsnGlnLysCys 267

RESULT 8

US-10-055-412B-28

; Sequence 28, Application US/10055412B

; Publication No. US20030059861A1

; GENERAL INFORMATION:

; APPLICANT: Pauli, Benedicht U.

; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium

; FILE REFERENCE: 18617.0058

; CURRENT APPLICATION NUMBER: US/10/055,412B

; CURRENT FILING DATE: 2001-10-29

; PRIOR APPLICATION NUMBER: US/09/193,562

; PRIOR FILING DATE: 1998-11-17

; PRIOR APPLICATION NUMBER: US/60/065,922

; PRIOR FILING DATE: 1997-11-17

; NUMBER OF SEQ ID NOS: 47

; SEQ ID NO 28

; LENGTH: 914

; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-055-412B-28

Alignment Scores:

Pred. No.: 6,31e-34 Length: 914
Score: 324.00 Matches: 60
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 14 Gaps: 0

US-09-049-696-4 (1-181) x US-10-055-412B-28 (1-914)

QY 2 AAAAGATGCACATTCATTAAGTAACAGGACTCTATGAAAAAGGATGTGAGTTTGTCTC 61

Db 208 LysArgCysThrPheAsnLysValThrGlyLeuTyrglyCysGluPheValLeu 227

QY 62 CAATCCCGCAGAGAGGCTTCTATAATGTTTGCACACATGTTGATTCTATAGTT 121

Db 228 GlnSerArgGlnThrGluLysAlaSerIleMetPheAlaGlnHisValAspSerIleVal 247

QY 122 GAATTCGTGACAGACAAAACACAAAGAGCTCCAAACAGCAAAATCAAAAATGC 181

Db 248 GluPheCysThrGluGlnAsnHisAsnLysGluAlaProAsnLysGlnAsnGlnLysCys 267

RESULT 9

US-10-235-994-26

; Sequence 26, Application US/10235994

; Publication No. US20030101002A1

; GENERAL INFORMATION:

; APPLICANT: Bartha, Gabor

; APPLICANT: Walker, Michael

; TITLE OF INVENTION: METHODS FOR ANALYZING GENE EXPRESSION PATTERNS

; FILE REFERENCE: ICYTP012

; CURRENT APPLICATION NUMBER: US/10/235,994

; CURRENT FILING DATE: 2002-09-04

; PRIOR APPLICATION NUMBER: US/10/003,608

; PRIOR FILING DATE: 2001-11-01

; PRIOR APPLICATION NUMBER: 60/245,081

; PRIOR FILING DATE: 2000-11-01

; NUMBER OF SEQ ID NOS: 30

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 26

; LENGTH: 914

; TYPE: PRT

; ORGANISM: Human

US-10-235-994-26

Alignment Scores:

Pred. No.: 6,31e-34 Length: 914
Score: 324.00 Matches: 60
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 14 Gaps: 0

US-09-049-696-4 (1-181) x US-10-235-994-26 (1-914)

QY 2 AAAAGATGCACATTCATTAAGTAACAGGACTCTATGAAAAAGGATGTGAGTTTGTCTC 61

Db 208 LysArgCysThrPheAsnLysValThrGlyLeuTyrglyCysGluPheValLeu 227

QY 62 CAATCCCGCAGAGAGGCTTCTATAATGTTTGCACACATGTTGATTCTATAGTT 121

Db 228 GlnSerArgGlnThrGluLysAlaSerIleMetPheAlaGlnHisValAspSerIleVal 247

QY 122 GAATTCGTGACAGACAAAACACAAAGAGCTCCAAACAGCAAAATCAAAAATGC 181

Db 248 GluPheCysThrGluGlnAsnHisAsnLysGluAlaProAsnLysGlnAsnGlnLysCys 267

RESULT 10

US-10-060-255-42

; Sequence 42, Application US/10060255

; Publication No. US20030113840A1

; GENERAL INFORMATION:

; APPLICANT: Rosen et al.

; TITLE OF INVENTION: 25 Human secreted proteins

; FILE REFERENCE: PZ042P1

; CURRENT APPLICATION NUMBER: US/10/060,255

; CURRENT FILING DATE: 2002-02-01

; PRIOR APPLICATION NUMBER: 09/781,417

; PRIOR FILING DATE: 2001-02-13

; PRIOR APPLICATION NUMBER: PCT/US00/22325

; PRIOR FILING DATE: 2000-08-16

; PRIOR APPLICATION NUMBER: 60/149,182

; NUMBER OF SEQ ID NOS: 86

; SOFTWARE: Patentin Ver. 2.0

; SEQ ID NO 42

; LENGTH: 914

; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-060-255-42

Alignment Scores:

Pred. No.: 6,31e-34 Length: 914
Score: 324.00 Matches: 60

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Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 14 Gaps: 0

US-09-049-696-4 (1-181) x US-10-060-255-42 (1-914)

QY 2 AAAAGATGCACATTCATTAAGTAACAGGACTCTATGAAAAAGGATGTGAGTTTGTCTC 61
Db LysArgCysThrPheAsnLysValThrGlyLeuTyrgLysGlyCysGluPheValLeu 227
QY 62 CAATCCCGCAGCAGGAGGCTTCTATAAGTTTGCACACATGTTGATTTCTATAGTT 121
Db GlnSerArgGlnThrGluLysAlaSerIleMetPheAlaGlnHisValAspSerIleVal 247
QY 122 GAATTCGTGTACAGAACAAACACACAAAGAGCTCCAAACAAAGCAAAATCAAAAATGC 181
Db GluPheCysThrGluGlnAsnHisAsnLysGluAlaProAsnLysGlnAsnGlnLysCys 267

RESULT 11
US-10-369-214-133
; Sequence 133, Application US/10369214
; Publication No. US20030232037A1
; GENERAL INFORMATION:
; APPLICANT: Groot, Pieter C.
; APPLICANT: Berghenhegouwen van, Bram J.
; APPLICANT: Oosterhout van, Antoon J.M.
; TITLE OF INVENTION: Genes involved in immune related responses observed
; TITLE OF INVENTION: with asthma
; FILE REFERENCE: P53837US00
; CURRENT APPLICATION NUMBER: US/10/369,214
; CURRENT FILING DATE: 2003-02-15
; PRIOR APPLICATION NUMBER: EP 00202867.8
; PRIOR FILING DATE: 2000-08-16
; PRIOR APPLICATION NUMBER: PCT/NL01/00610
; PRIOR FILING DATE: 2001-08-16
; NUMBER OF SEQ ID NOS: 139
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 133
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (1)..(914)
; OTHER INFORMATION: /note="Human CLC1"
US-10-369-214-133

Alignment Scores:
Pred. No.: 6,31e-34 Length: 914
Score: 324.00 Matches: 60
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 15 Gaps: 0

US-09-049-696-4 (1-181) x US-10-369-214-133 (1-914)

QY 2 AAAAGATGCACATTCATTAAGTAACAGGACTCTATGAAAAAGGATGTGAGTTTGTCTC 61
Db LysArgCysThrPheAsnLysValThrGlyLeuTyrgLysGlyCysGluPheValLeu 227
QY 62 CAATCCCGCAGCAGGAGGCTTCTATAAGTTTGCACACATGTTGATTTCTATAGTT 121
Db GlnSerArgGlnThrGluLysAlaSerIleMetPheAlaGlnHisValAspSerIleVal 247
QY 122 GAATTCGTGTACAGAACAAACACACAAAGAGCTCCAAACAAAGCAAAATCAAAAATGC 181
Db GluPheCysThrGluGlnAsnHisAsnLysGluAlaProAsnLysGlnAsnGlnLysCys 267

RESULT 12
US-09-764-868-635
; Sequence 635, Application US/09764868
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; Patent No. US20020169711A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PT232
; CURRENT APPLICATION NUMBER: US/09/764,868
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 1510
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 635
; LENGTH: 925
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-764-868-635

Alignment Scores:
Pred. No.: 6,33e-34 Length: 925
Score: 324.00 Matches: 60
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 9 Gaps: 0

US-09-049-696-4 (1-181) x US-09-764-868-635 (1-925)

QY 2 AAAAGATGCACATTCATTAAGTAACAGGACTCTATGAAAAAGGATGTGAGTTTGTCTC 61
Db LysArgCysThrPheAsnLysValThrGlyLeuTyrgLysGlyCysGluPheValLeu 238
QY 62 CAATCCCGCAGCAGGAGGCTTCTATAAGTTTGCACACATGTTGATTTCTATAGTT 121
Db GlnSerArgGlnThrGluLysAlaSerIleMetPheAlaGlnHisValAspSerIleVal 258
QY 122 GAATTCGTGTACAGAACAAACACACAAAGAGCTCCAAACAAAGCAAAATCAAAAATGC 181
Db GluPheCysThrGluGlnAsnHisAsnLysGluAlaProAsnLysGlnAsnGlnLysCys 278

RESULT 13
US-10-106-698-6248
; Sequence 6248, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptides
; FILE REFERENCE: PA005P1
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 6248
; LENGTH: 925
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-106-698-6248

Alignment Scores:
Pred. No.: 6,33e-34 Length: 925
Score: 324.00 Matches: 60
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 14 Gaps: 0

US-09-049-696-4 (1-181) x US-10-106-698-6248 (1-925)

QY 2 AAAAGATGCACATTCATTAAGTAACAGGACTCTATGAAAAAGGATGTGAGTTTGTCTC 61
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Db 219 LysArgCysThrPheAsnLysValThrGlyLeuTyrGluLysGlyCysGluPheValLeu 238
QY 62 CAATCCCGCCAGAGAGAGCTTCTATAATGTTTGCACACATGTTGATTCTATAGTT 121
Db 239 GlnSerArgGlnThrGluLysAlaSerIleMetPheAlaGlnHisValAspSerIleVal 258
QY 122 GAATTCTGTACAGAACAAACACACAAAGAGCTCCAAACAGCAAAATCAAAAATGC 181
Db 259 GluPheCysThrGluGlnAsnHisAsnLysGluAlaProAsnLysGlnAsnGlnLysCys 278

RESULT 14
US-10-270-595-6
; Sequence 6, Application US/10270595
; Publication No. US20030078409A1
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/10/270,595
; CURRENT FILING DATE: 2002-10-16
; PRIOR APPLICATION NUMBER: US/09/623,624
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,472
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,405
; PRIOR FILING DATE: 1996-08-23
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-270-595-6

Alignment Scores:
Pred. No.: 2,91e-33 Length: 914
Score: 319.00 Matches: 59
Percent Similarity: 98.33% Conservative: 0
Best Local Similarity: 98.33% Mismatches: 1
Query Match: 98.46% Indels: 0
DB: 14 Gaps: 0

US-09-049-696-4 (1-181) x US-10-270-595-6 (1-914)
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Db 208 LysArgCysThrPheAsnLys***ThrGlyLeuTyrGluLysGlyCysGluPheValLeu 227
QY 62 CAATCCCGCCAGAGAGAGCTTCTATAATGTTTGCACACATGTTGATTCTATAGTT 121
Db 228 GlnSerArgGlnThrGluLysAlaSerIleMetPheAlaGlnHisValAspSerIleVal 247
QY 122 GAATTCTGTACAGAACAAACACACAAAGAGCTCCAAACAGCAAAATCAAAAATGC 181
Db 248 GluPheCysThrGluGlnAsnHisAsnLysGluAlaProAsnLysGlnAsnGlnLysCys 267
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RESULT 15
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; Sequence 2, Application US/10270595
; Publication No. US20030078409A1
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/10/270,595
; CURRENT FILING DATE: 2002-10-16
; PRIOR APPLICATION NUMBER: US/09/623,624
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,472
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 913
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-270-595-2

Alignment Scores:
Pred. No.: 8,61e-19 Length: 913
Score: 210.00 Matches: 36
Percent Similarity: 79.66% Conservative: 11
Best Local Similarity: 61.02% Mismatches: 12
Query Match: 64.81% Indels: 0
DB: 14 Gaps: 0

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QY 65 TCCCGCCAGAGAGAGCTTCTATATGTTTGCACACATGTTGATTCTATAGTTGAA 124
Db 230 ProHisGlnAsnGluLysAlaSerIleMetPheAsnGlnAsnIleAsnSerValValGlu 249
QY 125 TTCTGTACAGAACAAACACACAAAGAGCTCCAAACAGCAAAATCAAAAATGC 181
Db 250 PheCysThrGluLysAsnHisAsnGlnGluAlaProAsnAspGlnAsnGlnArgCys 268

Search completed: April 21, 2004, 16:38:30
Job time : 29.0587 secs
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OM nucleic - protein search, using frame_plus_n2p model

Run on: April 21, 2004, 16:13:29 ; Search time 9.23632 Seconds
(without alignments)
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Perfect score: 324
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Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 389414 seqs, 51625971 residues
Total number of hits satisfying chosen parameters: 778828

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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-FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database : Issued Patents AA:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	324	100.0	914	US-09-193-562D-28	Sequence 28, Appl
2	319	98.5	914	US-09-623-624-6	Sequence 6, Appl
3	210	64.8	913	US-09-623-624-2	Sequence 2, Appl
4	180	55.6	917	US-09-049-698-41	Sequence 41, Appl
5	169	52.2	902	US-09-193-562D-34	Sequence 34, Appl
6	168	51.9	1000	US-09-193-562D-30	Sequence 30, Appl
7	165	50.9	903	US-09-193-562D-46	Sequence 46, Appl
8	165	50.9	903	US-09-623-624-18	Sequence 18, Appl
9	160	49.4	342	US-09-193-562D-13	Sequence 13, Appl
10	160	49.4	795	US-09-193-562D-11	Sequence 11, Appl
11	160	49.4	821	US-09-193-562D-12	Sequence 12, Appl
12	160	49.4	905	US-09-193-562D-2	Sequence 2, Appl

13	156.5	48.3	592	4	US-09-643-597-169	Sequence 169, App
14	156.5	48.3	592	4	US-09-480-884A-169	Sequence 169, App
15	156.5	48.3	592	4	US-09-542-615A-169	Sequence 169, App
16	156.5	48.3	592	4	US-09-606-421B-169	Sequence 169, App
17	156.5	48.3	791	4	US-09-643-597-170	Sequence 170, App
18	156.5	48.3	791	4	US-09-480-884A-170	Sequence 170, App
19	156.5	48.3	791	4	US-09-542-615A-170	Sequence 170, App
20	156.5	48.3	791	4	US-09-606-421B-170	Sequence 170, App
21	156.5	48.3	920	4	US-09-643-597-357	Sequence 357, App
22	156.5	48.3	943	4	US-09-193-562D-32	Sequence 32, Appl
23	156.5	48.3	943	4	US-09-643-597-161	Sequence 161, App
24	156.5	48.3	943	4	US-09-480-884A-161	Sequence 161, App
25	156.5	48.3	943	4	US-09-542-615A-161	Sequence 161, App
26	156.5	48.3	943	4	US-09-606-421B-161	Sequence 161, App
27	156.5	48.3	943	4	US-09-221-107-161	Sequence 161, App
28	153.5	47.4	943	4	US-09-623-624-4	Sequence 4, Appl
29	121	37.3	942	4	US-09-919-172-87	Sequence 87, Appl
30	66	20.2	1786	2	US-08-477-451-16	Sequence 16, Appl
31	64	19.6	614	4	US-09-543-681A-4330	Sequence 4330, Ap
32	59.5	18.4	93	4	US-09-621-976-6421	Sequence 6421, Ap
33	59.5	18.3	117	4	US-09-328-352-7820	Sequence 7820, Ap
34	59.5	18.3	415	4	US-09-134-000C-6391	Sequence 6391, Ap
35	59.5	18.3	1817	4	US-09-004-838-125	Sequence 125, App
36	59	18.1	297	4	US-09-134-001C-3397	Sequence 3397, Ap
37	58.5	17.9	85	4	US-09-134-001C-2923	Sequence 2923, Ap
38	58.5	18.1	270	4	US-09-489-039A-8781	Sequence 8781, Ap
39	58	17.9	139	2	US-08-219-237B-8	Sequence 8, Appl
40	58	17.9	140	3	US-08-477-347-17	Sequence 17, Appl
41	58	17.9	140	3	US-08-476-862-8	Sequence 8, Appl
42	58	17.9	140	4	US-09-800-908-8	Sequence 8, Appl
43	58	17.9	140	4	US-09-800-908-17	Sequence 17, Appl
44	58	17.9	202	4	US-08-577-788C-52	Sequence 52, Appl
45	58	17.9	205	3	US-08-974-022-51	Sequence 51, Appl

ALIGNMENTS

RESULT 1
US-09-193-562D-28
; Sequence 28, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedict U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; FILE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; CURRENT FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 28
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-193-562D-28

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Pred. No.: 4.37e-37 Length: 914
Score: 324.00 Matches: 60
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0

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QY	62	CAATCCCGCAGACGAGAGAGCGCTTCTATATATGTTTGCAACATGTTTATAGTT	121

Db 228 GlnSerArgGlnThrGluLysAlaSerIleMetPheAlaGlnHisValAspSerIleVal 247
QY 122 GAATTCGTACAGAACAAACACACAAAGAGCTCCAAACAGCAAAATCAAAAATCC 181
Db 248 GluPheCysThrGluGlnAsnHisAsnLysGluAlaProAsnLysGlnAsnGlnLysCys 267
RESULT 2
US-09-623-624-6
; Sequence 6, Application US/09623624
; Patent No. 6576434
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/09/623,624
; CURRENT FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,472
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,110
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,168
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/980,872
; PRIOR FILING DATE: 1997-12-01
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 914
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-623-624-6
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Pred. No.: 2,22e-36 Length: 914
Score: 319.00 Matches: 59
Percent Similarity: 98.33% Conservative: 0
Best Local Similarity: 98.33% Mismatches: 1
Query Match: 98.46% Indels: 0
DB: 4 Gaps: 0
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QY 2 AAAAGATGCACATTCATTAAGTAACAGGACTCTATGAAAAGGATGTGAGTTTGTCTC 61
Db 208 LysArgCysThrPheAsnLys**ThrGlyLeuTyrgLulysGlyCysGluPheValLeu 227
QY 62 CAATCCCGCCAGACGAGAGGCTTCTATAATGTTTGCAACACATGTTGATTCTATAGTT 121
Db 228 GlnSerArgGlnThrGluLysAlaSerIleMetPheAlaGlnHisValAspSerIleVal 247
QY 122 GAATTCGTACAGAACAAACACACAAAGAGCTCCAAACAGCAAAATCAAAAATCC 181
Db 248 GluPheCysThrGluGlnAsnHisAsnLysGluAlaProAsnLysGlnAsnGlnLysCys 267
RESULT 3

US-09-623-624-2
; Sequence 2, Application US/09623624
; Patent No. 6576434
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/09/623,624
; CURRENT FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,472
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,110
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,168
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/980,872
; PRIOR FILING DATE: 1997-12-01
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 913
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-623-624-2
Alignment Scores:
Pred. No.: 5.26e-21 Length: 913
Score: 210.00 Matches: 36
Percent Similarity: 79.66% Conservative: 11
Best Local Similarity: 61.02% Mismatches: 12
Query Match: 64.81% Indels: 0
DB: 4 Gaps: 0
US-09-049-696-4 (1-181) x US-09-623-624-2 (1-913)
QY 5 AGATGCACATTCATTAAGTAACAGGACTCTATGAAAAGGATGTGAGTTTGTCTC 64
Db 210 LysCysValIleAspArgValThrGlyLeuTyrgLulysAspAsnCysValPheValProAsp 229
QY 65 TCCCGCCAGACGAGAGGCTTCTATAATGTTTGCAACACATGTTGATTCTATAGTTGAA 124
Db 230 ProHisGlnAsnGluLysAlaSerIleMetPheAsnGlnAsnIleAsnSerValValGlu 249
QY 125 TTCTGTACAGAACAAACACACAAAGAGCTCCAAACAGCAAAATCAAAAATCC 181
Db 250 PheCysThrGluLysAsnGlnGluAlaProAsnAspGlnAsnGlnArgCys 268
RESULT 4
US-09-049-698-41
; Sequence 41, Application US/09049698
; Patent No. 6368792
; GENERAL INFORMATION:
; APPLICANT: BILLING-MEDEL, PATRICIA A.
; APPLICANT: COHEN, MAURICE
; APPLICANT: COLPITTS, TRACEY L.

Db 236 SerIleValPheMetGlnAsnLeuAaspSerValThrGluPheCysThrGluLysThrHis 255

QY 146 AACAAAGAACCTCCAAAACCAAGCAAAATCAAATAATGC 181
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Db 256 AsnLysGluAlaProAsnLeuTyrAsnLysMetCys 267
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RESULT 7

US-09-193-562D-46
; Sequence 46, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; TITLE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 46
; LENGTH: 903
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Calcium sensitive chloride channel from bovine tracheal
epithelium (Cunningham et al., 1995, J. Biol Chem., 270:31016-
3)
; OTHER INFORMATION: 31026)

US-09-193-562D-46

Alignment Scores:

Pred. No.:	Length:
Score: 1.17e-14	903
Percent Similarity: 165.00	Matches: 30
Best Local Similarity: 65.52%	Conservative: 8
Query Match: 51.72%	Mismatches: 20
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	Gaps: 0

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QY 68 CGCACAGCGAGAGGGCTCTATAATGTTTGCACAACATGTTGATTCATATAGTTGAATTC 127
 ||||| : : : ||||| : : :
Db 230 SerGlnThrAlaalgluSerlleMetPheMetGlnSerLeuHisservValThrGluPhe 249
 ||||| : : : ||||| : : :
QY 128 TGTCAGAACAACACCACAAAGAGCTCCAACAAAGCAAAATCAAATAATGC 181
 ||||| : : : ||||| : : :
Db 250 CysThrGluLysThrHisenValGluAlaProAsnLeuGlnAsnLysMetCys 267
 ||||| : : : ||||| : : :

RESULT 8

US-09-623-624-18
; Sequence 18, Application US/09623624
; Patent No. 6576434
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors as Targets for Treating
; TITLE OF INVENTION: Atopic Allergies, Including Asthma and Related
Disorders
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/09/623,624
; CURRENT FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703
; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471

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DB: 4 Gaps: 0
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Db 211 CysArgAspSerGlnThrGlyLeuTyrgluAlaLysCysThrPheLeuProLysLys 230
QY 68 CGCCAGACGAGAGGCTTCTATATGTTTGCACACATGTTGATTCTATAGTTGAATTC 127
Db 231 SerGlnThrAlaLysGluSerIleMetPheMetProSerLeuHisSerValThrGluPhe 250
QY 128 TGTACAGAACAAACCCACAAAGAGCTCCAAACAGCAAAATCAAAAATGC 181
Db 251 CysThrGluLysThrHisAsnThrGluAlaProAsnLeuGlnAsnLysMetCys 268

RESULT 10
US-09-193-562D-11
; Sequence 11, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; FILE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 11
; LENGTH: 795
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Variant of Lu-ECAM-1 from bovine endothelial cells
US-09-193-562D-11

Alignment Scores:
Pred. No.: 5,72e-14 Length: 795
Score: 160.00 Matches: 30
Percent Similarity: 63.79% Conservative: 7
Best Local Similarity: 51.72% Mismatches: 21
Query Match: 49.38% Indels: 0
DB: 4 Gaps: 0

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Db 211 CysArgAspSerGlnThrGlyLeuTyrgluAlaLysCysThrPheLeuProLysLys 230
QY 68 CGCCAGACGAGAGGCTTCTATATGTTTGCACACATGTTGATTCTATAGTTGAATTC 127
Db 231 SerGlnThrAlaLysGluSerIleMetPheMetProSerLeuHisSerValThrGluPhe 250
QY 128 TGTACAGAACAAACCCACAAAGAGCTCCAAACAGCAAAATCAAAAATGC 181
Db 251 CysThrGluLysThrHisAsnThrGluAlaProAsnLeuGlnAsnLysMetCys 268

RESULT 11
US-09-193-562D-12
; Sequence 12, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; FILE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 12
; LENGTH: 821
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Variant of Lu-ECAM-1 from bovine endothelial cells
US-09-193-562D-12

Alignment Scores:
Pred. No.: 5,77e-14 Length: 821
Score: 160.00 Matches: 30
Percent Similarity: 63.79% Conservative: 7
Best Local Similarity: 51.72% Mismatches: 21
Query Match: 49.38% Indels: 0
DB: 4 Gaps: 0

US-09-049-696-4 (1-181) x US-09-193-562D-12 (1-821)
QY 8 TGCACATTCAATAAGTAACAGAGCTCTATGAAAAGGATGTGAGTTGTCTTCCAATCC 67
Db 211 CysArgAspSerGlnThrGlyLeuTyrgluAlaLysCysThrPheLeuProLysLys 230
QY 68 CGCCAGACGAGAGGCTTCTATATGTTTGCACACATGTTGATTCTATAGTTGAATTC 127
Db 231 SerGlnThrAlaLysGluSerIleMetPheMetProSerLeuHisSerValThrGluPhe 250
QY 128 TGTACAGAACAAACCCACAAAGAGCTCCAAACAGCAAAATCAAAAATGC 181
Db 251 CysThrGluLysThrHisAsnThrGluAlaProAsnLeuGlnAsnLysMetCys 268

RESULT 12
US-09-193-562D-2
; Sequence 2, Application US/09193562D
; Patent No. 6309857
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; FILE OF INVENTION: Activated Chloride Channel-Adhesion Molecules
; FILE REFERENCE: 18617.0052
; CURRENT APPLICATION NUMBER: US/09/193,562D
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 2
; LENGTH: 905
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Lu-ECAM-1 precursor from bovine endothelial cells
US-09-193-562D-2

Alignment Scores:
Pred. No.: 5,92e-14 Length: 905
Score: 160.00 Matches: 30
Percent Similarity: 63.79% Conservative: 7
Best Local Similarity: 51.72% Mismatches: 21
Query Match: 49.38% Indels: 0
DB: 4 Gaps: 0

US-09-049-696-4 (1-181) x US-09-193-562D-2 (1-905)
QY 8 TGCACATTCAATAAGTAACAGAGCTCTATGAAAAGGATGTGAGTTGTCTTCCAATCC 67
Db 211 CysArgAspSerGlnThrGlyLeuTyrgluAlaLysCysThrPheLeuProLysLys 230
QY 68 CGCCAGACGAGAGGCTTCTATATGTTTGCACACATGTTGATTCTATAGTTGAATTC 127
Db 231 SerGlnThrAlaLysGluSerIleMetPheMetProSerLeuHisSerValThrGluPhe 250
QY 128 TGTACAGAACAAACCCACAAAGAGCTCCAAACAGCAAAATCAAAAATGC 181
Db 251 CysThrGluLysThrHisAsnThrGluAlaProAsnLeuGlnAsnLysMetCys 268
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Db 251 CysThrGluLysThrHisAsnThrGluAlaProAsnLeuGlnAsnLysMetCys 268

RESULT 13

US-09-643-597-169

; Sequence 169, Application US/09643597

; Patent No. 6426072

; GENERAL INFORMATION:

; APPLICANT: Wang, Tongtong

; APPLICANT: Fan, Liqun

; APPLICANT: Kalos, Michael D.

; APPLICANT: Bangur, Chaitanya S.

; APPLICANT: Hosken, Nancy

; APPLICANT: Fanger, Gary R.

; APPLICANT: Li, Samuel X.

; APPLICANT: Wang, Aijun

; APPLICANT: Skeiky, Yasir A.W.

; APPLICANT: Henderson, Robert A.

; APPLICANT: McNeill, Patricia D.

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER

; FILE REFERENCE: 210121.455C11

; CURRENT APPLICATION NUMBER: US/09/643,597

; NUMBER OF SEQ ID NOS: 369

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 169

; LENGTH: 592

; TYPE: PRT

; ORGANISM: Homo sapien

US-09-643-597-169

Alignment Scores:

Pred. No.: 1,65e-13

Score: 156.50

Best Local Similarity: 63.33%

Query Match: 48.30%

Indels: 3

Gaps: 1

Length: 592

Matches: 29

Conservative: 9

Mismatches: 19

Indels: 3

Gaps: 1

US-09-049-696-4 (1-181) x US-09-643-597-169 (1-592)

QY 2 AAAGATGCACATTCAATAAGTAACAGGACTCTATGAAAGAGTGTGAGTTTGTCTC 61

Db 214 GluAsnCysIleIleSerLys-----LeuPheLysGluGlyCysThrPheIleTyr 230

QY 62 CAATCCCGCCAGCAGGAGAGGCTTCTATATGTTTGACACATGTTGATTTCTATAGTT 121

Db 231 AsnSerThrGlnAsnAlaThrAlaSerIleMetPheMetGlnSerLeuSerValVal 250

QY 122 GAATTCCTGTACAGAACAAACCAACAAAGAGCTCCAAACAAAGCAAAATCAAAATGC 181

Db 251 GluPheCysAsnAlaSerThrHisAsnGlnGluAlaProAsnLeuGlnAsnGlnMetCys 270

RESULT 14

US-09-480-884A-169

; Sequence 169, Application US/09480884A

; Patent No. 6482597

; GENERAL INFORMATION:

; APPLICANT: Wang, Tongtong

; APPLICANT: Fan, Liqun

; APPLICANT: Kalos, Michael D.

; APPLICANT: Bangur, Chaitanya S.

; APPLICANT: Hosken, Nancy A.

; APPLICANT: Fanger, Gary R.

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER

; FILE REFERENCE: 210121.455C6

; CURRENT APPLICATION NUMBER: US/09/480,884A

; NUMBER OF SEQ ID NOS: 330

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 169

; LENGTH: 592

; TYPE: PRT

Alignment Scores:

Pred. No.: 1,65e-13

Score: 156.50

Best Local Similarity: 63.33%

Query Match: 48.30%

Indels: 3

Gaps: 1

US-09-049-696-4 (1-181) x US-09-480-884A-169 (1-592)

QY 2 AAAGATGCACATTCAATAAGTAACAGGACTCTATGAAAGAGTGTGAGTTTGTCTC 61

Db 214 GluAsnCysIleIleSerLys-----LeuPheLysGluGlyCysThrPheIleTyr 230

QY 62 CAATCCCGCCAGCAGGAGAGGCTTCTATATGTTTGACACATGTTGATTTCTATAGTT 121

Db 231 AsnSerThrGlnAsnAlaThrAlaSerIleMetPheMetGlnSerLeuSerValVal 250

QY 122 GAATTCCTGTACAGAACAAACCAACAAAGAGCTCCAAACAAAGCAAAATCAAAATGC 181

Db 251 GluPheCysAsnAlaSerThrHisAsnGlnGluAlaProAsnLeuGlnAsnGlnMetCys 270

; ORGANISM: Homo sapien

US-09-480-884A-169

Alignment Scores:

Pred. No.: 1,65e-13

Score: 156.50

Best Local Similarity: 63.33%

Query Match: 48.30%

Indels: 3

Gaps: 1

US-09-049-696-4 (1-181) x US-09-480-884A-169 (1-592)

QY 2 AAAGATGCACATTCAATAAGTAACAGGACTCTATGAAAGAGTGTGAGTTTGTCTC 61

Db 214 GluAsnCysIleIleSerLys-----LeuPheLysGluGlyCysThrPheIleTyr 230

QY 62 CAATCCCGCCAGCAGGAGAGGCTTCTATATGTTTGACACATGTTGATTTCTATAGTT 121

Db 231 AsnSerThrGlnAsnAlaThrAlaSerIleMetPheMetGlnSerLeuSerValVal 250

QY 122 GAATTCCTGTACAGAACAAACCAACAAAGAGCTCCAAACAAAGCAAAATCAAAATGC 181

Db 251 GluPheCysAsnAlaSerThrHisAsnGlnGluAlaProAsnLeuGlnAsnGlnMetCys 270

RESULT 15

US-09-542-615A-169

; Sequence 169, Application US/09542615A

; Patent No. 6518256

; GENERAL INFORMATION:

; APPLICANT: Wang, Tongtong

; APPLICANT: Fan, Liqun

; APPLICANT: Kalos, Michael D.

; APPLICANT: Bangur, Chaitanya S.

; APPLICANT: Hosken, Nancy A.

; APPLICANT: Fanger, Gary R.

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER

; FILE REFERENCE: 210121.455C8

; CURRENT APPLICATION NUMBER: US/09/542,615A

; NUMBER OF SEQ ID NOS: 350

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 169

; LENGTH: 592

; TYPE: PRT

; ORGANISM: Homo sapien

US-09-542-615A-169

Alignment Scores:

Pred. No.: 1,65e-13

Score: 156.50

Best Local Similarity: 63.33%

Query Match: 48.30%

Indels: 3

Gaps: 1

US-09-049-696-4 (1-181) x US-09-542-615A-169 (1-592)

QY 2 AAAGATGCACATTCAATAAGTAACAGGACTCTATGAAAGAGTGTGAGTTTGTCTC 61

Db 214 GluAsnCysIleIleSerLys-----LeuPheLysGluGlyCysThrPheIleTyr 230

QY 62 CAATCCCGCCAGCAGGAGAGGCTTCTATATGTTTGACACATGTTGATTTCTATAGTT 121

Db 231 AsnSerThrGlnAsnAlaThrAlaSerIleMetPheMetGlnSerLeuSerValVal 250

QY 122 GAATTCCTGTACAGAACAAACCAACAAAGAGCTCCAAACAAAGCAAAATCAAAATGC 181

Db 251 GluPheCysAsnAlaSerThrHisAsnGlnGluAlaProAsnLeuGlnAsnGlnMetCys 270

Search completed: April 21, 2004, 16:21:56

Job time : 11.2363 secs

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GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: April 24, 2004, 04:05:52 ; Search time 128.438 Seconds
(without alignments)
8424.829 Million cell updates/sec

Title: US-09-049-696-3

Perfect score: 240

Sequence: 1 AAAATGCTGATGTTCTGGTT.....GAAATCTACTTATCAATG 240

Scoring table: IDENTITY NUC

Gapop 10_0 , Gapext 1.0

Searched: 2907579 seqs, 2254313464 residues

Total number of hits satisfying chosen parameters: 5815158

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

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Database : Published Applications NA.*

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- 2: /cgn2_6/ptodata/2/pubpna/PCT_NEW_PUB.seq.*
- 3: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq.*
- 4: /cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq.*
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- 17: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq.*
- 18: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq.*
- 19: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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C 1	240	100.0	533	14	US-10-033-528-1883 Sequence 1883, Ap
C 2	240	100.0	533	15	US-10-099-926-1883 Sequence 1883, Ap
C 3	240	100.0	2745	15	US-10-270-595-5 Sequence 5, Appli
C 4	240	100.0	2854	15	US-10-106-698-1971 Sequence 1971, Ap
C 5	240	100.0	2867	15	US-10-106-698-351 Sequence 351, App
C 6	240	100.0	3109	15	US-10-106-698-2111 Sequence 2111, Ap
C 7	240	100.0	3111	9	US-09-823-356-25 Sequence 25, Appl
C 8	240	100.0	3111	9	US-09-981-353-191 Sequence 191, App
C 9	240	100.0	3111	15	US-10-235-994-25 Sequence 25, Appl
C 10	240	100.0	3267	9	US-09-764-868-22 Sequence 22, Appl
C 11	240	100.0	4569	10	US-09-867-034-3 Sequence 3, Appli
C 12	240	100.0	4569	13	US-10-276-115-3 Sequence 3, Appli
C 13	239	99.6	533	13	US-09-878-134-182 Sequence 182, App
C 14	238.4	99.3	3007	15	US-10-055-412B-27 Sequence 27, Appl

15	238.4	99.3	3311	9	US-09-922-217-1056	Sequence 1056, Ap
16	238.4	99.3	3311	9	US-09-833-263-1056	Sequence 1056, Ap
17	238.4	99.3	3311	14	US-10-025-380-1056	Sequence 1056, Ap
18	238.4	99.3	3311	15	US-10-393-590-11	Sequence 11, Appl
19	238.4	99.3	3311	15	US-10-393-590-12	Sequence 12, Appl
20	238.4	99.3	3311	15	US-10-393-590-46	Sequence 46, Appl
21	238.4	99.3	3311	15	US-10-393-590-47	Sequence 47, Appl
22	238.4	99.3	3311	15	US-10-393-567-11	Sequence 11, Appl
23	238.4	99.3	3311	15	US-10-393-567-12	Sequence 12, Appl
24	238.4	99.3	3311	15	US-10-393-567-46	Sequence 46, Appl
25	238.4	99.3	3311	15	US-10-393-567-47	Sequence 47, Appl
26	238.4	99.3	3311	15	US-10-394-087-11	Sequence 11, Appl
27	238.4	99.3	3311	15	US-10-394-087-12	Sequence 12, Appl
28	238.4	99.3	3311	15	US-10-394-087-46	Sequence 46, Appl
29	238.4	99.3	3311	15	US-10-394-087-47	Sequence 47, Appl
30	207	86.2	331	15	US-10-066-543-1682	Sequence 1682, Ap
31	207	86.2	331	15	US-10-066-543-2191	Sequence 2191, Ap
32	207	86.2	508	15	US-10-066-543-1503	Sequence 1503, Ap
33	181.6	75.7	280	14	US-10-033-528-1868	Sequence 1868, Ap
34	181.6	75.7	280	15	US-10-099-926-1868	Sequence 1868, Ap
C 35	165.4	68.9	244	9	US-09-815-343-323	Sequence 323, App
C 36	165.4	68.9	244	13	US-10-097-105-323	Sequence 323, App
37	148.8	62.0	2931	15	US-10-270-595-1	Sequence 1, Appli
38	130.8	54.5	2754	15	US-10-345-680-33	Sequence 33, Appl
39	130.8	54.5	3169	9	US-09-981-353-53	Sequence 53, Appl
40	130.8	54.5	3169	15	US-10-235-994-15	Sequence 15, Appl
41	130.8	54.5	3199	13	US-10-276-774-993	Sequence 993, App
42	130.8	54.5	3204	15	US-10-345-680-31	Sequence 31, Appl
43	130.8	54.5	3218	16	US-10-087-080-33	Sequence 33, Appl
44	130.8	54.5	3265	9	US-09-989-722-378	Sequence 378, App
45	130.8	54.5	3265	9	US-09-989-723-378	Sequence 378, App

ALIGNMENTS

RESULT 1

US-10-033-528-1883/c
; Sequence 1883, Application US/10033528
; Publication No. US20020131971A1
; GENERAL INFORMATION:
; APPLICANT: King, Gordon E.
; APPLICANT: Meagher, Madeleine Joy
; APPLICANT: Xu, Jiangchun
; APPLICANT: Secrist, Heather
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF COLON CANCER
; FILE REFERENCE: 210121.547C1
; CURRENT APPLICATION NUMBER: US/10/033,528
; CURRENT FILING DATE: 2001-12-26
; NUMBER OF SEQ ID NOS: 1896
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1883
; LENGTH: 533
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 8, 42, 43, 320, 511
; OTHER INFORMATION: n = A,T,C or G
US-10-033-528-1883

Query Match	100.0%	Score 240;	DB 14;	Length 533;
Best Local Similarity	100.0%	Pred. No. 9e-73;	Mismatches 0;	Indels 0;
Matches 240;	Conservative 0;			Gaps 0;
QY	1	AAAATGCTGATGTTCTGGTTGCTGAGTCTACTCTCCAGGTAATGATGAACCTACACTG	60	
Db	313	AAAATGCTGATGTTCTGGTTGCTGAGTCTACTCTCCAGGTAATGATGAACCTACACTG	254	
QY	61	ACGAGATGGCACTGTGGAGAGAGGGTGAAGATCCACCTCACTCTGATTTTCATG	120	
Db	253	AGCAGATGGCACTGTGGAGAGAGGGTGAAGATCCACCTCACTCTGATTTTCATG	194	

Qy	121	CAGGAAAAAAGCTTACTGTAATATGACACACAAGGTAGGGCAATTTGTCATGAGTGGGCTC	180
Db	193	CAGGAAAAAAGTGTGCTGAATATGACACACAAGGTAGGGCAATTTGTCATGAGTGGGCTC	134
Qy	181	ATCTACGATGGGGAGTATTGTGACGAGTACAATAATATGATGAGAAATCTTACTTTATCCAATG	240
Db	133	ATCTACGATGGGGAGTATTGTGACGAGTACAATAATATGATGAGAAATCTTACTTTATCCAATG	74

RESULT 2

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US-10-099-926-1883/c
; Sequence 1883, Application US/10099926
; Publication No. US20030166064A1
; GENERAL INFORMATION:
; APPLICANT: King, Gordon E.
; APPLICANT: Meszger, Madeleine Joy
; APPLICANT: Xu, Jiangchun
; APPLICANT: Secrist, Heather
; APPLICANT: Jiang, Yuqiu
; TITLE OF INVENTION: COMPOSITIONS AND METHODS
; TITLE OF INVENTION: AND DIAGNOSIS OF COL
; FILE REFERENCE: 210121.547C2
; CURRENT APPLICATION NUMBER: US/10/099,926
; CURRENT FILING DATE: 2002-03-17
; NUMBER OF SEQ ID NOS: 1982
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1883
; LENGTH: 533
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 8, 42, 43, 320, 511
; OTHER INFORMATION: n = A,T,C or G
US-10-099-926-1883

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Query Match	100.0%	Score 240;	DB 15;	Length 533;
Best Local Similarity	100.0%;	Pred. No. 98-73;		
Matches 240;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;

Qy 1 AAAATGCTGATGTTCTGGTTCAGTCTACTCCTCCAGGTAAATGATGAACCTTACACTG 60
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Db 313 AAAATGCTGATGTTCTGGTTCAGTCTACTCCTCCAGGTAAATGATGAACCTTACACTG 254

Qy 61 AGCAGATGGCACTGTGGAGAGAGGGTGAAGGATCCACTCACTCTGATTTTCATTG 120
|||
Db 253 AGCAGATGGGCACTGTGGAGAGAGGGTGAAGGATCCACTCACTCTGATTTTCATTG 194

[illegible]

Qy 181 ATCTACGATGGGGAGTATTTGACGAGTACAATAATGATGAGAAATCTACTTATCCAATG 240
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Db 133 ATCTACGATGGGGAGTATTTGACGAGTACAATAATGATGAGAAATCTACTTATCCAATG 74

RESULT 3

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RESUM 3
US/10-270-595-5
; Sequence 5, Application US/10270595
; Publication No. US20030078409A1
; GENERAL INFORMATION:
; APPLICANT: Magainin Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma-Associated Factors
; TITLE OF INVENTION: Atopic Allergies, Inflammation
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 36870-5073-WO
; CURRENT APPLICATION NUMBER: US/10/270,595
; CURRENT FILING DATE: 2002-10-16
; PRIOR APPLICATION NUMBER: US/09/523,624
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: PCT/US99/04703

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; PRIOR FILING DATE: 1999-03-03
; PRIOR APPLICATION NUMBER: US 08/697,360
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,419
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,440
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,471
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,472
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/697,473
; PRIOR FILING DATE: 1996-08-23
; PRIOR APPLICATION NUMBER: US 08/702,105
; PRIOR FILING DATE: 1996-08-23
; Remaining Prior Application data removed - See File Wrapper or PALM
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.0

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Query Match      100.0%; Score 240; DB 15; Length 2745;
Best Local Similarity 100.0%; Pred. No. 2.1e-72;
Matches 240; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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299 AAAATGCTGATGTTCTGGTGTCTAGTCTACTCCTCAGGTAATGATGAACCTACACTG 358

61 AGCAGATGGGCAACTGTGGAGAGAAAGGGTGAAGGATCCACCTCACTCCTGATTTCAATTG 120
359 AGCAGATGGGCAACTGTGGAGAGAAAGGGTGAAGGATCCACCTCACTCCTGATTTCAATTG 418

y
121 CAGGAAAAAAGTTAGCTGAATATGGACCAAGGTAGGGCATTTGTCCATGAGTGGGCTC 180

b
419 CAGGAAAAAAGTTAGCTGAATATGGACCACAAGGTAGGGCATTTGTCCATGAGTGGGCTC 478

181 ATCTACGATGGGAGTATTTGACGAGTACAATAATGATGAGAAATTTCTACTTATCCAATG 240
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479 ATCTACGATGGGAGTATTTGACGAGTACAATAATGATGAGAAATTTCTACTTATCCAATG 538

RESULT 4

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US-10-106-698-1971
; Sequence 1971, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer
; FILE REFERENCE: P8A005P1
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 1971
; LENGTH: 2854
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-106-698-1971

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Query Match 100.0%; Score 240; DB 15; Length 2854;
Best Local Similarity 100.0%; Pred. No. 2.1e-72;
Matches 240; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AAAATGCTGATGTTCTGGTTGCTGAGTCTACTCTCCAGGTAATGATGAACCCCTACACTG 60
DB 333 AAAATGCTGATGTTCTGGTTGCTGAGTCTACTCTCCAGGTAATGATGAACCCCTACACTG 392
QY 61 AGCAGATGGGCAACTGCTGGAGAGAAGGGTGAAGGATCCACCTCACTCTCTGATTTTCATTG 120
DB 393 AGCAGATGGGCAACTGCTGGAGAGAAGGGTGAAGGATCCACCTCACTCTCTGATTTTCATTG 452
QY 121 CAGGAAAAAAGTTAGCTGAATATGGACCAACAAGGTAGGCAATTTGCCATGAGTGGGCTC 180
DB 453 CAGGAAAAAAGTTAGCTGAATATGGACCAACAAGGTAGGCAATTTGCCATGAGTGGGCTC 512
QY 181 ATCTACGATGGGGAGTATTGTGACGAGTACATAAATGATGAGAAATTTCTACTTATCCAATG 240
DB 513 ATCTACGATGGGGAGTATTGTGACGAGTACATAAATGATGAGAAATTTCTACTTATCCAATG 572

RESULT 5
US-10-106-698-351
; Sequence 351, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide
; FILE REFERENCE: PA005PI
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 351
; LENGTH: 2867
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-106-698-351

Query Match 100.0%; Score 240; DB 15; Length 2867;
Best Local Similarity 100.0%; Pred. No. 2.1e-72;
Matches 240; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AAAATGCTGATGTTCTGGTTGCTGAGTCTACTCTCCAGGTAATGATGAACCCCTACACTG 60
DB 336 AAAATGCTGATGTTCTGGTTGCTGAGTCTACTCTCCAGGTAATGATGAACCCCTACACTG 395
QY 61 AGCAGATGGGCAACTGCTGGAGAGAAGGGTGAAGGATCCACCTCACTCTCTGATTTTCATTG 120
DB 396 AGCAGATGGGCAACTGCTGGAGAGAAGGGTGAAGGATCCACCTCACTCTCTGATTTTCATTG 455
QY 121 CAGGAAAAAAGTTAGCTGAATATGGACCAACAAGGTAGGCAATTTGCCATGAGTGGGCTC 180
DB 456 CAGGAAAAAAGTTAGCTGAATATGGACCAACAAGGTAGGCAATTTGCCATGAGTGGGCTC 515
QY 181 ATCTACGATGGGGAGTATTGTGACGAGTACATAAATGATGAGAAATTTCTACTTATCCAATG 240
DB 516 ATCTACGATGGGGAGTATTGTGACGAGTACATAAATGATGAGAAATTTCTACTTATCCAATG 575

RESULT 6
US-10-106-698-2111
; Sequence 2111, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.

; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptides
; FILE REFERENCE: PA005PI
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 2111
; LENGTH: 3109
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-106-698-2111

Query Match 100.0%; Score 240; DB 15; Length 3109;
Best Local Similarity 100.0%; Pred. No. 2.2e-72;
Matches 240; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AAAATGCTGATGTTCTGGTTGCTGAGTCTACTCTCCAGGTAATGATGAACCCCTACACTG 60
DB 186 AAAATGCTGATGTTCTGGTTGCTGAGTCTACTCTCCAGGTAATGATGAACCCCTACACTG 245
QY 61 AGCAGATGGGCAACTGCTGGAGAGAAGGGTGAAGGATCCACCTCACTCTCTGATTTTCATTG 120
DB 246 AGCAGATGGGCAACTGCTGGAGAGAAGGGTGAAGGATCCACCTCACTCTCTGATTTTCATTG 305
QY 121 CAGGAAAAAAGTTAGCTGAATATGGACCAACAAGGTAGGCAATTTGCCATGAGTGGGCTC 180
DB 306 CAGGAAAAAAGTTAGCTGAATATGGACCAACAAGGTAGGCAATTTGCCATGAGTGGGCTC 365
QY 181 ATCTACGATGGGGAGTATTGTGACGAGTACATAAATGATGAGAAATTTCTACTTATCCAATG 240
DB 366 ATCTACGATGGGGAGTATTGTGACGAGTACATAAATGATGAGAAATTTCTACTTATCCAATG 425

RESULT 7
US-09-823-356-25
; Sequence 25, Application US/09823356
; Patent No. US20010025098A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Bandman, Olga
; APPLICANT: Lal, Preeti
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Yue, Henry
; APPLICANT: Corley, Neil C.
; APPLICANT: Guegler, Karl J.
; APPLICANT: Kaser, Matthew R.
; APPLICANT: Baughn, Mariah R.
; APPLICANT: Shah, Purvi
; TITLE OF INVENTION: HUMAN MEMBRANE SPANNING PROTEINS
; FILE REFERENCE: PF-0489-1 CON
; CURRENT APPLICATION NUMBER: US/09/823,356
; CURRENT FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/039,307
; PRIOR FILING DATE: 1998 March 13
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PERL Program
; SEQ ID NO 25
; LENGTH: 3111
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20010025098A1 1737775
US-09-823-356-25

Query Match 100.0%; Score 240; DB 9; Length 3111;
Best Local Similarity 100.0%; Pred. No. 2.2e-72;

Matches 240; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AAAATGCTGATCTTCTGGTTGCTGAGTCTACTCTCCAGGTAATGATGAACCCCTACACTG 60
|||||
Db 332 AAAATGCTGATCTTCTGGTTGCTGAGTCTACTCTCCAGGTAATGATGAACCCCTACACTG 391
|||||

QY 61 AGCAGATGGCAACTGTGGAGAGAGGGTGAAGGATCCACCTCACTCTCTGATTTTCATTG 120
|||||
Db 392 AGCAGATGGCAACTGTGGAGAGAGGGTGAAGGATCCACCTCACTCTCTGATTTTCATTG 451
|||||

QY 121 CAGGAAAAAGTTAGTCTGAATATGACCAACAGGTAGGGCATTTGTCATGATGGGCTC 180
|||||
Db 452 CAGGAAAAAGTTAGTCTGAATATGACCAACAGGTAGGGCATTTGTCATGATGGGCTC 511
|||||

QY 181 ATCTACGATGGGAGTATTTGACGAGTACAATAATGATGAGAAATTTCTACTTATCCAATG 240
|||||
Db 512 ATCTACGATGGGAGTATTTGACGAGTACAATAATGATGAGAAATTTCTACTTATCCAATG 571
|||||

RESULT 8

US-09-981-353-191
; Sequence 191, Application US/09981353
; Patent No. US20020160382A1
; GENERAL INFORMATION:
; APPLICANT: Lasek, Amy W.
; APPLICANT: Jones, David A.
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0038 US
; CURRENT APPLICATION NUMBER: US/09/981,353
; CURRENT FILING DATE: 2001-10-11
; NUMBER OF SEQ ID NOS: 194
; SOFTWARE: PERL Program
; SEQ ID NO 191
; LENGTH: 3111
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20020160382A1 1737775CB1
US-09-981-353-191

Query Match 100.0%; Score 240; DB 9; Length 3111;
Best Local Similarity 100.0%; Pred. No. 2.2e-72;
Matches 240; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AAAATGCTGATCTTCTGGTTGCTGAGTCTACTCTCCAGGTAATGATGAACCCCTACACTG 60
|||||
Db 332 AAAATGCTGATCTTCTGGTTGCTGAGTCTACTCTCCAGGTAATGATGAACCCCTACACTG 391
|||||

QY 61 AGCAGATGGCAACTGTGGAGAGAGGGTGAAGGATCCACCTCACTCTCTGATTTTCATTG 120
|||||
Db 392 AGCAGATGGCAACTGTGGAGAGAGGGTGAAGGATCCACCTCACTCTCTGATTTTCATTG 451
|||||

QY 121 CAGGAAAAAGTTAGTCTGAATATGACCAACAGGTAGGGCATTTGTCATGATGGGCTC 180
|||||
Db 452 CAGGAAAAAGTTAGTCTGAATATGACCAACAGGTAGGGCATTTGTCATGATGGGCTC 511
|||||

QY 181 ATCTACGATGGGAGTATTTGACGAGTACAATAATGATGAGAAATTTCTACTTATCCAATG 240
|||||
Db 512 ATCTACGATGGGAGTATTTGACGAGTACAATAATGATGAGAAATTTCTACTTATCCAATG 571
|||||

RESULT 9

US-10-235-994-25
; Sequence 25, Application US/10235994
; Publication No. US20030101002A1
; GENERAL INFORMATION:
; APPLICANT: Bartha, Gabor
; APPLICANT: Walker, Michael
; TITLE OF INVENTION: METHODS FOR ANALYZING GENE EXPRESSION PATTERNS
; FILE REFERENCE: ICYFP012
; CURRENT APPLICATION NUMBER: US/10/235,994
; CURRENT FILING DATE: 2002-09-04

; PRIOR APPLICATION NUMBER: US/10/003,608
; PRIOR FILING DATE: 2001-11-01
; PRIOR APPLICATION NUMBER: 60/245,081
; PRIOR FILING DATE: 2000-11-01
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 25
; LENGTH: 3111
; TYPE: DNA
; ORGANISM: Human
US-10-235-994-25

Query Match 100.0%; Score 240; DB 15; Length 3111;
Best Local Similarity 100.0%; Pred. No. 2.2e-72;
Matches 240; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AAAATGCTGATCTTCTGGTTGCTGAGTCTACTCTCCAGGTAATGATGAACCCCTACACTG 60
|||||
Db 332 AAAATGCTGATCTTCTGGTTGCTGAGTCTACTCTCCAGGTAATGATGAACCCCTACACTG 391
|||||

QY 61 AGCAGATGGCAACTGTGGAGAGAGGGTGAAGGATCCACCTCACTCTCTGATTTTCATTG 120
|||||
Db 392 AGCAGATGGCAACTGTGGAGAGAGGGTGAAGGATCCACCTCACTCTCTGATTTTCATTG 451
|||||

QY 121 CAGGAAAAAGTTAGTCTGAATATGACCAACAGGTAGGGCATTTGTCATGATGGGCTC 180
|||||
Db 452 CAGGAAAAAGTTAGTCTGAATATGACCAACAGGTAGGGCATTTGTCATGATGGGCTC 511
|||||

QY 181 ATCTACGATGGGAGTATTTGACGAGTACAATAATGATGAGAAATTTCTACTTATCCAATG 240
|||||
Db 512 ATCTACGATGGGAGTATTTGACGAGTACAATAATGATGAGAAATTTCTACTTATCCAATG 571
|||||

RESULT 10

US-09-764-868-22
; Sequence 22, Application US/09764868
; Patent No. US20020168711A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PT232
; CURRENT APPLICATION NUMBER: US/09/764,868
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 1510
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 22
; LENGTH: 3267
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-868-22

Query Match 100.0%; Score 240; DB 9; Length 3267;
Best Local Similarity 100.0%; Pred. No. 2.2e-72;
Matches 240; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AAAATGCTGATCTTCTGGTTGCTGAGTCTACTCTCCAGGTAATGATGAACCCCTACACTG 60
|||||
Db 333 AAAATGCTGATCTTCTGGTTGCTGAGTCTACTCTCCAGGTAATGATGAACCCCTACACTG 392
|||||

QY 61 AGCAGATGGCAACTGTGGAGAGAGGGTGAAGGATCCACCTCACTCTCTGATTTTCATTG 120
|||||
Db 393 AGCAGATGGCAACTGTGGAGAGAGGGTGAAGGATCCACCTCACTCTCTGATTTTCATTG 452
|||||

QY 121 CAGGAAAAAGTTAGTCTGAATATGACCAACAGGTAGGGCATTTGTCATGATGGGCTC 180
|||||
Db 453 CAGGAAAAAGTTAGTCTGAATATGACCAACAGGTAGGGCATTTGTCATGATGGGCTC 512
|||||

QY 181 ATCTACGATGGGAGTATTTGACGAGTACAATAATGATGAGAAATTTCTACTTATCCAATG 240
|||||
Db 513 ATCTACGATGGGAGTATTTGACGAGTACAATAATGATGAGAAATTTCTACTTATCCAATG 572
|||||

```
RESULT 11
US-09-867-034-3
; Sequence 3, Application US/09867034
; Publication No. US20030180817A1
; GENERAL INFORMATION:
; APPLICANT: Macina, Roberto A
; APPLICANT: Chen, Sei-Yu
; APPLICANT: Pluta, Jason
; APPLICANT: Sun, Yongming
; APPLICANT: Recipon, Hervé
; TITLE OF INVENTION: Method of Diagnosing, Monitoring, Staging, Imaging and
; FILE REFERENCE: DEX-0207
; CURRENT APPLICATION NUMBER: US/09/867,034
; PRIOR FILING DATE: 2001-05-29
; PRIOR APPLICATION NUMBER: 60/207,383
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 4569
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-867-034-3

Query Match
Best Local Similarity 100.0%; Score 240; DB 10; Length 4569;
Matches 240; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AAAATGCTGATGTTCTGGTTGCTGAGTCTACTCTCCAGGTAATGATGAACCTTACACTG 60
DB 2027 AAAATGCTGATGTTCTGGTTGCTGAGTCTACTCTCCAGGTAATGATGAACCTTACACTG 2086
QY 61 AGCAGATGGGCAACTGTGGAGAGAGGGTGAAAGGATCCACCTCACTCTCTGATTTCAATG 120
DB 2087 AGCAGATGGGCAACTGTGGAGAGAGGGTGAAAGGATCCACCTCACTCTCTGATTTCAATG 2146
QY 121 CAGGAAAAAGCTAGCTGAATATGGACCAAGGTAGGGCAATTTGTCATGAGTGGGCTC 180
DB 2147 CAGGAAAAAGCTAGCTGAATATGGACCAAGGTAGGGCAATTTGTCATGAGTGGGCTC 2206
QY 181 ATCTACGATGGGAGTATTGTGACGAGTACAATAATGATGAGAAATTTCTACTTATCCAATG 240
DB 2207 ATCTACGATGGGAGTATTGTGACGAGTACAATAATGATGAGAAATTTCTACTTATCCAATG 2266

RESULT 12
US-10-276-115-3
; Sequence 3, Application US/10276115
; Publication No. US20030211039A1
; GENERAL INFORMATION:
; APPLICANT: Macina, Roberto A
; APPLICANT: Chen, Sei-Yu
; APPLICANT: Pluta, Jason
; APPLICANT: Sun, Yongming
; APPLICANT: Recipon, Hervé
; APPLICANT: diadexus, Inc.
; TITLE OF INVENTION: Method of Diagnosing, Monitoring, Staging, Imaging and
; FILE REFERENCE: DEX-0208
; CURRENT APPLICATION NUMBER: US/10/276,115
; CURRENT FILING DATE: 2002-11-12
; PRIOR APPLICATION NUMBER: 60/207,383
; PRIOR FILING DATE: 2000-05-26
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 4569
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-276-115-3

Query Match
Best Local Similarity 100.0%; Score 240; DB 13; Length 4569;
Matches 240; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AAAATGCTGATGTTCTGGTTGCTGAGTCTACTCTCCAGGTAATGATGAACCTTACACTG 60
DB 2027 AAAATGCTGATGTTCTGGTTGCTGAGTCTACTCTCCAGGTAATGATGAACCTTACACTG 2086
QY 61 AGCAGATGGGCAACTGTGGAGAGAGGGTGAAAGGATCCACCTCACTCTCTGATTTCAATG 120
DB 2087 AGCAGATGGGCAACTGTGGAGAGAGGGTGAAAGGATCCACCTCACTCTCTGATTTCAATG 2146
QY 121 CAGGAAAAAGTTAGCTGAATATGGACCAAGGTAGGGCAATTTGTCATGAGTGGGCTC 180
DB 2147 CAGGAAAAAGTTAGCTGAATATGGACCAAGGTAGGGCAATTTGTCATGAGTGGGCTC 2206
QY 181 ATCTACGATGGGAGTATTGTGACGAGTACAATAATGATGAGAAATTTCTACTTATCCAATG 240
DB 2207 ATCTACGATGGGAGTATTGTGACGAGTACAATAATGATGAGAAATTTCTACTTATCCAATG 2266

RESULT 13
US-09-878-134-182
; Sequence 182, Application US/09878134
; Publication No. US20020086303A1
; GENERAL INFORMATION:
; APPLICANT: Meagher, Madeleine Joy
; APPLICANT: King, Gordon E.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Secrist, Heather
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
; TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF COLON CANCER
; FILE REFERENCE: 210121.532
; CURRENT APPLICATION NUMBER: US/09/878,134
; CURRENT FILING DATE: 2001-06-07
; NUMBER OF SEQ ID NOS: 377
; SOFTWARE: Corixa Invention Disclosure Database
; SEQ ID NO 182
; LENGTH: 533
; TYPE: DNA
; ORGANISM: Homo sapiens
; NAME/KEY: misc_feature
; LOCATION: (1)...(533)
; OTHER INFORMATION: n = A,T,C or G
US-09-878-134-182

Query Match
Best Local Similarity 99.6%; Score 239; DB 13; Length 533;
Matches 239; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AAAATGCTGATGTTCTGGTTGCTGAGTCTACTCTCCAGGTAATGATGAACCTTACACTG 60
DB 221 AAAATGCTGATGTTCTGGTTGCTGAGTCTACTCTCCAGGTAATGATGAACCTTACACTG 280
QY 61 AGCAGATGGGCAACTGTGGAGAGAGGGTGAAAGGATCCACCTCACTCTCTGATTTCAATG 120
DB 281 AGCANATGGGCAACTGTGGAGAGAGGGTGAAAGGATCCACCTCACTCTCTGATTTCAATG 340
QY 121 CAGGAAAAAGTTAGCTGAATATGGACCAAGGTAGGGCAATTTGTCATGAGTGGGCTC 180
DB 341 CAGGAAAAAGTTAGCTGAATATGGACCAAGGTAGGGCAATTTGTCATGAGTGGGCTC 400
QY 181 ATCTACGATGGGAGTATTGTGACGAGTACAATAATGATGAGAAATTTCTACTTATCCAATG 240
DB 401 ATCTACGATGGGAGTATTGTGACGAGTACAATAATGATGAGAAATTTCTACTTATCCAATG 460

RESULT 14
US-10-055-412B-27
; Sequence 27, Application US/10055412B
; Publication No. US20030059861A1
; GENERAL INFORMATION:
; APPLICANT: Pauli, Benedicht U.
US-10-055-412B-27
```

; TITLE OF INVENTION: Nucleotide Sequences Encoding Mammalian Calcium
; FILE REFERENCE: 18617.0058
; CURRENT APPLICATION NUMBER: US/10/055,412B
; CURRENT FILING DATE: 2001-10-29
; PRIOR APPLICATION NUMBER: US/09/193,562
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: US/60/065,922
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 27
; LENGTH: 3007
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-055-412B-27

Query Match 99.3%; Score 238.4; DB 15; Length 3007;
Best Local Similarity 99.6%; Pred. No. 7.8e-72;
Matches 239; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1 AAAATGCTGATGTTCTGGTGTCTGAGTCTACTCTCCAGGTAATGATGAACCCCTACACTG 60
DB 345 AAAATGCTGATGTTCTGGTGTCTGAGTCTACTCTCCAGGTAATGATGAACCCCTACACTG 404
QY 61 AGCAGATGGGCAACTGTGGAGAGAGGGGTGAAGGATCCACCTCACTCTGATTTTCATTG 120
DB 405 AGCAGATGGGCAACTGTGGAGAGAGGGGTGAAGGATCCACCTCACTCTGATTTTCATTG 464
QY 121 CAGGAAAAAAGTTAGTGAATATGGACCAACAGGTAGGGCATTTGTCCATGAGTGGGCTC 180
DB 465 CAGGAAAAAAGTTAGTGAATATGGACCAACAGGTAAAGGCATTTGTCCATGAGTGGGCTC 524
QY 181 ATCTACGATGGGGAGTATTGACGAGTACAATAATGATGAGAAATCTTACTTTATCCAATG 240
DB 525 ATCTACGATGGGGAGTATTGACGAGTACAATAATGATGAGAAATCTTACTTTATCCAATG 584

RESULT 15

US-09-922-217-1056
; Sequence 1056, Application US/09922217
; Patent No. US20020076414A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather
; APPLICANT: Benson, Darin R.
; APPLICANT: Meagher, Madeleine Joy
; APPLICANT: Stolk, John A.
; APPLICANT: Wang, Tongtong
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Smith, Carole Lynn
; APPLICANT: King, Gordon E.
; APPLICANT: Wang, Aijun
; APPLICANT: Clapper, Jonathan D.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; FILE REFERENCE: 210121.471C13
; CURRENT APPLICATION NUMBER: US/09/922,217
; CURRENT FILING DATE: 2001-08-03
; NUMBER OF SEQ ID NOS: 1124
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1056
; LENGTH: 3311
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-922-217-1056

Query Match 99.3%; Score 238.4; DB 9; Length 3311;
Best Local Similarity 99.6%; Pred. No. 8.1e-72;
Matches 239; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1 AAAATGCTGATGTTCTGGTGTCTGAGTCTACTCTCCAGGTAATGATGAACCCCTACACTG 60
|||||

DB 650 AAAATGCTGATGTTCTGGTGTCTGAGTCTACTCTCCAGGTAATGATGAACCCCTACACTG 709
QY 61 AGCAGATGGGCAACTGTGGAGAGAGGGGTGAAGGATCCACCTCACTCTGATTTTCATTG 120
DB 710 AGCAGATGGGCAACTGTGGAGAGAGGGGTGAAGGATCCACCTCACTCTGATTTTCATTG 769
QY 121 CAGGAAAAAAGTTAGTGAATATGGACCAACAGGTAGGGCATTTGTCCATGAGTGGGCTC 180
DB 770 CAGGAAAAAAGTTAGTGAATATGGACCAACAGGTAAAGGCATTTGTCCATGAGTGGGCTC 829
QY 181 ATCTACGATGGGGAGTATTGACGAGTACAATAATGATGAGAAATCTTACTTTATCCAATG 240
DB 830 ATCTACGATGGGGAGTATTGACGAGTACAATAATGATGAGAAATCTTACTTTATCCAATG 889

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